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U.S. Department of Agriculture

*"Hints
on
Growing"*

ANNUAL
CATALOG



Our Own
KING ASTER

MORRIS & SNOW SEED COMPANY

INCORPORATED 1908

SAN PEDRO ST. AT NINTH • LOS ANGELES, CALIFORNIA

IMPORTANT INFORMATION

PLEASE READ BEFORE ORDERING

PARCELS POST—Since the installation of the new parcels post law seeds, bulbs, tools, plants, and garden supplies (excepting poisons and liquids) may be sent by mail to all parts of the United States, including Alaska, Canal Zone, Guam, Hawaii, Porto Rico, and the Philippines. Packages are subject to a limit of maximum weight in the first and second and third zone of 70 pounds; in all other zones 50 pounds. The maximum size of a package is 84 inches for length and largeness of the girth combined.

ZONE RATES—May be had by applying to your postmaster, who will tell you which zone you are in with reference to Los Angeles, or upon application we will tell you if you supply us with the name of your postoffice.

FOR PARCELS WEIGHING 8 OUNCES OR LESS, containing seeds, plants, bulbs, roots, or books only, the rate of postage to all zones is 1c for 2 ounces or fraction.

PARCELS OF MERCHANDISE other than those enumerated above up to 8 ounces, the postage is 1½c for each two ounces or fraction.

PARCELS OVER 8 OUNCES must be paid at the parcel post zone rate quoted below.

Parcel Post Zone Rates

Wt. In lbs.	Zone 1 & 2	Zone 3rd	Zone 4th	Zone 5th	Zone 6th	Zone 7th	Zone 8th	Wt. In lbs.	Zone 1 & 2	Zone 3rd	Zone 4th	Zone 5th	Zone 6th	Zone 7th	Zone 8th
1	\$0.07	\$0.08	\$0.09	\$0.10	\$0.11	\$0.13	\$0.14	26	\$0.32	\$0.58	\$1.09	\$1.60	\$2.11	\$2.63	\$3.14
2	.08	.10	.13	.16	.19	.23	.26	27	.33	.60	1.13	1.66	2.19	2.73	3.26
3	.09	.12	.17	.22	.27	.33	.38	28	.34	.62	1.17	1.72	2.27	2.83	3.38
4	.10	.14	.21	.28	.35	.43	.50	29	.35	.64	1.21	1.78	2.35	2.93	3.50
5	.11	.16	.25	.34	.43	.53	.62	30	.36	.66	1.25	1.84	2.43	3.03	3.62
6	.12	.18	.29	.40	.51	.63	.74	31	.37	.68	1.29	1.90	2.51	3.13	3.74
7	.13	.20	.33	.46	.59	.73	.86	32	.38	.70	1.33	1.96	2.59	3.23	3.86
8	.14	.22	.37	.52	.67	.83	.98	33	.39	.72	1.37	2.02	2.67	3.33	3.98
9	.15	.24	.41	.58	.75	.93	1.10	34	.40	.74	1.41	2.08	2.75	3.43	4.10
10	.16	.26	.45	.64	.83	1.03	1.22	35	.41	.76	1.45	2.14	2.83	3.53	4.22
11	.17	.28	.49	.70	.91	1.13	1.34	36	.42	.78	1.49	2.20	2.91	3.63	4.34
12	.18	.30	.53	.76	.99	1.23	1.46	37	.43	.80	1.53	2.26	2.90	3.73	4.46
13	.19	.32	.57	.82	1.07	1.33	1.58	38	.44	.82	1.57	2.32	3.07	3.83	4.58
14	.20	.34	.61	.88	1.15	1.43	1.70	39	.45	.84	1.61	2.38	3.15	3.93	4.70
15	.21	.36	.65	.94	1.23	1.53	1.82	40	.46	.86	1.65	2.44	3.23	4.03	4.82
16	.22	.38	.69	1.00	1.31	1.63	1.94	41	.47	.88	1.69	2.50	3.31	4.13	4.94
17	.23	.40	.73	1.06	1.39	1.73	2.06	42	.48	.90	1.73	2.56	3.39	4.23	5.06
18	.24	.42	.77	1.12	1.47	1.83	2.18	43	.49	.92	1.77	2.62	3.47	4.33	5.18
19	.25	.44	.81	1.18	1.55	1.93	2.30	44	.50	.94	1.81	2.68	3.55	4.43	5.30
20	.26	.46	.85	1.24	1.63	2.03	2.42	45	.51	.96	1.85	2.74	3.63	4.53	5.42
21	.27	.48	.89	1.30	1.71	2.13	2.54	50	.56	1.06	2.05	3.04	4.03	5.03	6.02
22	.28	.50	.93	1.36	1.79	2.23	2.66	55	.61	1.16	-----	-----	-----	-----	-----
23	.29	.52	.97	1.42	1.87	2.33	2.78	60	.66	1.26	-----	-----	-----	-----	-----
24	.30	.54	1.01	1.48	1.95	2.43	2.90	65	.71	1.36	-----	-----	-----	-----	-----
25	.31	.56	1.05	1.54	2.03	2.53	3.02	70	.76	1.46	-----	-----	-----	-----	-----

On shipments weighing 20 pounds or more beyond the 2nd postal zone it is cheaper to ship seeds by express. As the express companies give a receipt for each package, it amounts practically to insurance without cost. We guarantee the safe arrival in the U. S. of all seeds shipped by express or insured parcel post.

TO FOREIGN COUNTRIES the parcel post rate is 14 cents per lb. Registration where possible is 10 cents. C.O.D. orders can now be sent to Mexico.

MEXICO SHIPMENTS—All orders sent by express to Mexico have an extra charge, as follows: Orders to the value of \$5.00 to \$50.00 require \$1.00 extra, and orders above \$50.00 require \$2.00 extra for consular fees. All orders sent by parcel post are free of these charges.

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REMITTANCES may be made by Express Money Order, P. O. Money Order, or Bank Draft; if stamps or cash, send in a Registered Letter. We must decline sending goods C.O.D. unless 25 per cent. of their value accompanies the order.

ACCOUNTS—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference.

NON-WARRANTY

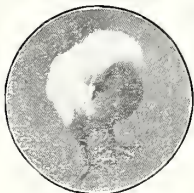
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Realizing the great importance of the Poultry, Pigeon, and Rabbit business on the Pacific Coast, we have entered extensively into the merchandising of Equipment and Supplies for these fast-growing industries, and are representatives for such nationally well known lines as: Quaker Oats Company's Ful-O-Pep Poultry Feeds, National Brooders, Jubilee Incubators, Lyon Improved Electric Brooders, Dr. LeGear's Remedies, Cero-Meato and K-9 Dog Feeds, and many other lines.

We can fill every requirement, and solicit your patronage on a basis of high-class merchandise plus efficient service. See Poultry Department, Pages 61-64.

All prices in this Catalog are subject to change without notice.



"Hints on Growing"

Calendar of Planting Operations

JANUARY

VEGETABLES—Seeds of Asparagus, Beans, Beets, Brussel Sprouts, Cabbage, Carrots, Chervil, Chicory, Corn Salad, Cress, Egg Plant, Horse Radish, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsley, Peas, Peppers, Potatoes, Radish, Rhubarb, Salsify, Spinach, (Winter) Tomatoes, Turnips.

FLOWERS—Sow seeds of hardy annuals in the open ground, *Acroclinium*, *Alyssum*, *Antirrhinum*, *Calendula*, *Calliopsis*, *Candytuft*, *Centaurea*, *Annual Chrysanthemums*, *Clarkia*, *Larkspur*, *Lupin*, *Mignonette*, *Nigella*, *Poppies*, *California Poppy*, *Wild Flower Seed* and *Sweet Peas*.

PLANTS of *Aquilegia*, *Antirrhinum*, *Canterbury Bells*, *Carnation*, *Digitalis*, *Pansy*, *Pentstemon*, *Shasta Daisy*, *Stocks*.

FEBRUARY

VEGETABLES—Seeds of Asparagus, Beets, Beans, Cabbage, Carrots, Celery, Chervil, Chives, Chicory, Corn, Cress, Corn Salad, Cucumbers, Egg Plant, Horse Radish, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsnip, Peas, Peppers, Potatoes, Sweet Potatoes, Squash, Radish, Rhubarb, Salsify, Spinach, (Summer) Tomatoes, Turnips.

FLOWERS—Sow seeds in open ground; *Acroclinium*, *Antirrhinum*, *Calendula*, *Calliopsis*, *Centaurea*, *Early Flowering Cosmos*, *California Poppy*, *Larkspur*, *Linum*, *Lupinus*, *Mignonette*, *Nemophila*, *Nigella*, *Poppies*, *Scabiosa* and *Sweet Peas*.

Sow in seed boxes—*Balsam*, *Begonia*, *Coreopsis*, *Gaillardia*, *Hollybrook*, *Hunnemannia*, *Lobelia*, *Mimulus*, *Pentstemon*, *Petunia*, *Perennial Poppies*, *Salvia*, *Stocks* and *Viola Cornuta*.

PLANTS of *Aquilegia*, *Antirrhinum*, *Carnation*, *Canterbury Bells*, *Digitalis*, *Pansy*, *Pentstemon*, *Shasta Daisy*, *Stocks*, *Verbena*.

MARCH

VEGETABLES—Seeds of Artichoke, Asparagus, Beets, Beans, Cabbage, Chives, Chicory, Chervil, Corn, (Sweet and Field) Cucumbers, Egg Plant, Kale, Lettuce, Melons, (Musk and Water) Okra, Onions, Parsley, Parsnip, Potatoes, Sweet Potatoes, Pumpkin, Radish, Rhubarb Seed, Salsify, Spinach, (Summer) Squashes, Tomatoes.

FLOWERS—Sow seeds in open ground; *Acroclinium*, *Ageratum*, *Alyssum*, *Antirrhinum*, *Arctotis*, *Amaranthus*, *Balsam*, *Brachycome*, *Bartonia*, *Calendula*, *Calliopsis*, *Candytuft*, *Centaurea*, *Clarkia*, *Annual Chrysanthemum*, *Early Flowering Cosmos*, *Daisies*, *Four o'Clocks*, *Godetia*, *Gomphrena*, *Gypsophila*, *Helichrysum*, *Larkspur*, *Linum*, *Lupin*, *Marigold*, *Mignonette*, *Nasturtium*, *Nemesia*, *Nemophila*, *Nigella*, *Phlox*, *Poppy*, *Scabiosa*, *Sunflower* and *Sweet Peas*.

Sow in seed boxes or with some protection for transplanting later: *Asters*, *Begonia*, *Bellis*, *Daisy*, *Celosia*, *Columbine*, *Canterbury Bells*, *Coreopsis*, *Cyclamen*, *Dahlia*, *Gaillardia*, *Gerbera*, *Heliotrope*, *Hunnemannia*, *Lobelia*, *Matricaria*, *Myosotis*, *Pentstemon*, *Petunia*, *Poppies*, *Salvia*, *Shasta Daisy*, *Statice*, *Sweet William*, *Verbena*, *Viola*, *Wallflower*, *Zinnia*. Sow seeds of Vines.

PLANTS of *Begonia*, *Delphinium*, *Gerbera*, *Pansy*, *Romneya Coulteri*, *Shasta Daisy* and *Verbena*, *Roses*.

APRIL

VEGETABLES—Seeds of Artichoke Seed, Asparagus, Beets, Beans, Carrots, Cabbage, Celery, Chives, Chervil, Corn, (Sweet and Field) Cress, Cucumber, Egg Plant, Kale, Lettuce, Melons, (Musk, Water, and Casabas) Okra, Onions, Parsley, Peas, Peppers, Parsnip, Potatoes, Sweet Potatoes, Pumpkin, Radish, Rhubarb Seed, Salsify, Spinach, (Summer) Squash, Tomatoes.

FLOWERS—Seeds of *Abronia*, *Acroclinium*, *Ageratum*, *Antirrhinum*, *Amaranthus*, *Asters*, *Balsam*, *Aquilegia*, *Begonia*, *Bellis*, *Brachycome*, *Calendula*, *Calliopsis*, *Candytuft*, *Canterbury Bells*, *Carnation*, *Annual Chrysanthemum*, *Celosia*, *Centaurea*, *Clarkia*, *Coreopsis*, *Cosmos*, *Cyclamen*, *Dahlia*, *Daisies*, *Delphinium*, *Digitalis*, *Dianthus*, *Gaillardia*, *Godetia*, *Gerbera*, *Gypsophila*, *Gomphrena*, *Heliotrope*, *Helichrysum*, *Hunnemannia*, *Hollyhock*, *Larkspur*, *Lobelia*, *Linum*, *Lupin*, *Marigold*, *Myosotis*, *Mirabilis*, *Mimulus*, *Mignonette*, *Nasturtium*, *Nemesia*, *Nicotiana*, *Nigella*, *Pentstemon*, *Petunia*, *Phlox*, *Poppies*, *Portulaca*, *Salvia*, *Salpiglossis*, *Scabiosa*, *Schizanthus*, *Stevia*, *Stocks*, *Statice*, *Sweet William*, *Verbena*, *Viola*, *Sunflower*, *Wallflower*, *Zinnia*.

PLANTS of *Begonia*, *Chrysanthemum*, *Columbine*, *Delphinium*, *Gerbera*, *Pansy*, *Petunia*, *Romneya Coulteri*, *Shasta Daisy*, *Vine Seeds*.

MAY

VEGETABLES—Seeds of Artichoke, Asparagus, Beets, Beans, Cabbage, Carrots, Celery Plants, Corn, (Sweet and Field) Cucumber, Egg Plant, Lettuce, Melons, (Musk, Water, and Casabas) Okra, Onions, Parsley, Parsnip, Peas, Peppers; Transplant Potatoes, Sweet Potatoes (Plants) Pumpkin, Radish, Rhubarb, Salsify, Spinach, (Summer) Squash, Tomato.

FLOWERS—Seeds of *Abronia*, *Acroclinium*, *Ageratum*, *Amaranthus*, *Asters*, *Balsam*, *Carnation*, *Calendula*, *Celosia*, *Centaurea*, *Calliopsis*, *Cosmos*, *Daisies*, *Annual Chrysanthemum*, *Candytuft*, *Dianthus*, *Gaillardia*, *Gomphrena*, *Gypsophila*, *Helichrysum*, *Hunnemannia*, *Lobelia*, *Larkspur*, *Marigold*, *Matricaria*, *Nasturtium*, *Nemesia*, *Nicotiana*, *Nigella*, *Phlox*, *Petunia*, *Portulaca*, *Salvia*, *Salpiglossis*, *Scabiosa*, *Schizanthus*, *Stevia*, *Sunflower*, *Statice*, *Zinnia*.

PLANTS of *Antirrhinum*, *Begonia*, *Bellis Daisy*, *Coreopsis*, *Carnation*, *Chrysanthemum*, *Dahlia*, *Delphinium*, *Gaillardia*, *Gerbera*, *Hollyhocks*, *Myosotis*, *Petunia*, *Pentstemon*, *Salvia*, *Verbena* and *Zinnia*. Sow Vine Seeds.

JUNE AND JULY

VEGETABLES—Seeds of Artichoke, Beets, Beans, Cabbage, Carrots, Celery Plants, Corn, (Sweet and Field) Cucumber, Egg Plant, Lettuce, Melons, (Musk, Water and Casabas) Okra, Parsley, Parsnip, Peas, Pepper Plants, Potatoes, Sweet Potatoes, (Plants) Pumpkin, Radish, Spinach (Summer) Tomato.

FLOWERS—Seeds of *Calendula*, *Candytuft*, *Cosmos*, *Centaurea*, *Cineraria*, *Daisies*, *Marigold*, *Nasturtium*, *Portulaca*, *Poppies*, *Salpiglossis*, *Zinnia*.

PLANTS of *Asters*, *Ageratum*, *Begonia*, *Bellis*, *Calendula*, *Carnation*, *Chrysanthemum*, *Cosmos*, *Dahlia*, *Daisy*, *Marigold*, *Pansy*, *Petunia*, *Pentstemon*, *Salvia*, *Stocks*, *Zinnia*,

AUGUST

VEGETABLES—Artichoke, Beets, Beans, early varieties, Brussel Sprouts, Cabbage, Cauliflower, Carrots, Chervil, Chives, Chicory, Corn, Cress, Cucumber, Egg Plant, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onion, Parsley, Parsnip, Peas, Pepper, Potatoes, Radish, Salsify, Spinach, (Summer) Tomatoes, Turnips.

FLOWERS—*Calendula*, *Cineraria*, *Centaurea*, *Cosmos*, *Pansies*, *Primula*, *Stocks*, *Sweet Peas*. Begin sowing seeds of hardy perennials for next year's flowering, such as *Aquilegia*, *Bellis Daisy*, *Canterbury Bells*, *Coreopsis*, *Cyclamen*, *Delphinium*, *Digitalis*, *Forget-me-not*, *Gaillardia*, *Hollyhocks*, *Pentstemon*, *Perennial Poppies*, *Phlox*, *Pyrethrum*, *Snapdragons*, *Verbena*, *Viola* and *Wallflower*.

PLANTS of *Cineraria*, *Stocks*, *Pansies*, *Violets*.

SEPTEMBER

VEGETABLES—Seeds of Artichoke, Beets, Beans, Brussel Sprouts, Cabbage, Carrots, Cauliflower, Chervil, Chives, Chicory, Cress, Cucumber, Egg Plant, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnip, Peas, Peppers, Potatoes, Radish, Salsify, Spinach, (Winter) Squash, Tomatoes, Turnips.

FLOWERS—Seeds of *Calendula*, *Centaurea*, *Cineraria*, *African Daisy*, *Nemesia*, *Cosmos*, *Linum*, *Pansy*, *Primula*, *Stocks* and *Winter Sweet Peas*. Continue sowing hardy perennials for next year's flowering, such as *Aquilegia*, *Bellis Daisy*, *Canterbury Bells*, *Coreopsis*, *Cyclamen*, *Delphinium*, *Digitalis*, *Forget-me-not*, *Gaillardia*, *Hollyhocks*, *Petunia*, *Pentstemon*, *Perennial Poppies*, *Phlox*, *Pyrethrum*, *Snapdragon*, *Verbena*, *Viola* and *Wallflower*.

PLANTS of *Cineraria*, *Stocks*, *Pansies*, *Violets*.

OCTOBER

VEGETABLES—Seeds of Beets, Beans, Brussel Sprouts, Cabbage, Carrots, Cauliflower Chervil, Chives, Chicory, Cress, Egg Plant, Endive, Garlic, Kale, Kohl Rabi, Leek, Lettuce, Mustard, Onions, Parsley, Parsnip, Peas, Radish, Salsify, Spinach, Turnips.

FLOWERS—Continue sowing seeds for winter blooming of *Calendula*, *Centaurea*, *Cineraria*, *Cosmos*, *African Daisy*, *Dianthus*, *Nemesia*, *Phlox*, *Pansy*, *Primula*, *Scabiosa*, *Stocks*, and *Winter Sweet Peas*.

Begin sowing annuals in open ground for early spring blooming, *Acroclinium*, *Alyssum*, *Antirrhinum*, *Bartonia*, *Candytuft*, *Calliopsis*, *Clarkia*, *Annual Chrysanthemums*, *California Poppy*, *Larkspur*, *Linum*, *Lupin*, *Mignonette*, *Nigella*, *Poppies*, *California Wild Flowers*. Continue sowing perennials for next year's flowering—*Aquilegia*, *Bellis*, *Canterbury Bells*, *Coreopsis*, *Cyclamen*, *Delphinium*, *Digitalis*, *Forget-me-not*, *Gaillardia*, *Hollyhocks*, *Pentstemon*, *Petunia*, *Perennial Poppies* and *Phlox*, *Pyrethrum*, *Snapdragon*, *Verbena*, *Viola* and *Wallflower*.

PLANTS of *Cineraria*, *Pansies*, *Stocks*, *Violets*.

NOVEMBER

VEGETABLES—Seeds of Beets, Beans, Brussel Sprouts, Cabbage Carrots, Cauliflower, Chervil, Chicory, Chives, Cress, Garlic, Kale, Kohl Rabi, Lettuce, Leek, Mustard, Onions, Parsley, Peas, Radish, Salsify, Spinach, (Winter) Turnips.

FLOWERS—Seeds of hardy annuals, *Acroclinium*, *Alyssum*, *Antirrhinum*, *Bartonia*, *Calendula*, *Candytuft*, *Calliopsis*, *Clarkia*, *Annual Chrysanthemums*, *California Poppy*, *Dianthus*, *Larkspur*, *Lupin*, *Mignonette*, *Nigella*, *Nemesia*, *Petunia*, *Pansy*, *Phlox*, *Stocks*, *Winter Sweet Peas* and *California Wild Flowers*.

PLANTS of *Carnation*, *Canterbury Bells*, *Cineraria*, *Columbine*, *Foxglove*, *Pansies*, *Pentstemon*, *Snapdragon*, *Stocks*, *Verbena*, *Violets*.

DECEMBER

VEGETABLES—Artichoke Plants, Asparagus Roots, Seeds of Beets, Beans, Brussel Sprouts, Cabbage, Cauliflower, Chervil, Chicory, Chives, Cress, Endive, Garlic, Horse Radish, Kale, Kohl Rabi, Leek, Rhubarb Roots, salsify, Spinach, (Winter) Turnips, Onion sets.

FLOWERS—Sow seeds of hardy annuals, *Acroclinium*, *Alyssum*, *Antirrhinum*, *Bartonia*, *Calendula*, *Candytuft*, *Calliopsis*, *Clarkia*, *Annual Chrysanthemums*, *California Poppy*, *Dianthus*, *Larkspur*, *Lupin*, *Mignonette*, *Nigella*, *Nemesia*, *Pansy*, *Phlox*, *Stocks*, *Winter Sweet Peas* and *California Wild Flowers*.

PLANTS of *Carnation*, *Canterbury Bells*, *Columbine*, *Foxglove*, *Pansies*, *Pentstemon*, *Snapdragon*, *Stocks*, *Shasta Daisy*, *Verbena*, *Violets*.

Number of Plants in Length 1 to 100 ft. Apart

Distance Apart	No. Per Mile	Distance Apart	No. Per Mile	Distance Apart	No. Per Mile
1 foot	5,280	10 feet	528	60 feet	88
2 feet	2,640	15 feet	352	65 feet	81
3 feet	1,760	20 feet	264	70 feet	75
4 feet	1,320	25 feet	211	75 feet	70
5 feet	1,056	30 feet	176	80 feet	66
6 feet	880	40 feet	132	85 feet	62
7 feet	734	45 feet	117	90 feet	58
8 feet	660	50 feet	105	95 feet	55
9 feet	586	55 feet	96	100 feet	52

Plants to an Acre at Regular Distances Apart

Distance Apart	No. Per Acre	Distance Apart	No. Per Acre	Distance Apart	No. Per Acre
3 by 4 inches	522,720	4½ by 4½ feet	2,150	14 feet by 14 feet	222
4 by 4 inches	392,040	5 feet by 1 foot	8,712	15 feet by 15 feet	193
6 by 6 inches	174,240	5 feet by 2 feet	4,356	16 feet by 16 feet	170
1 foot by 1 foot	43,560	5 feet by 3 feet	2,904	16½ by 16½ feet	160
1½ by 1½ feet	19,360	5 feet by 4 feet	2,178	17 feet by 17 feet	150
2 feet by 1 foot	21,780	5 feet by 5 feet	1,742	18 feet by 18 feet	134
2 feet by 2 feet	10,890	5½ by 5½ feet	1,440	19 feet by 19 feet	120
2½ by 2½ feet	6,960	6 feet by 6 feet	1,200	20 feet by 20 feet	108
3 feet by 1 foot	14,520	6½ by 6½ feet	1,031	25 feet by 25 feet	69
3 feet by 2 feet	7,260	7 feet by 7 feet	888	30 feet by 30 feet	48
3 feet by 3 feet	4,840	8 feet by 8 feet	680	33 feet by 33 feet	40
3½ by 3½ feet	3,555	9 feet by 9 feet	537	40 feet by 40 feet	27
4 feet by 1 foot	10,890	10 feet by 10 feet	435	50 feet by 50 feet	17
4 feet by 2 feet	5,445	11 feet by 11 feet	360	60 feet by 60 feet	12
4 feet by 3 feet	3,660	12 feet by 12 feet	302	66 feet by 66 feet	10
4 feet by 4 feet	2,722	13 feet by 13 feet	257		

Rule—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be number of square feet for each plant or hill, which divided into the number of square feet (43,560) will give the number of plants to the acre.

Seeds Required to Sow One Acre of Ground

	Lbs. to the Acre		Lbs. to the Acre
Alfalfa	25	Grass, Italian Rye	30
Asparagus	4	Grass, Red Top	30
Barley—broadcast	100	Grass, Timothy	20
Beans, Dwarf or Bush—hills.	40	Leek	4
Beans, Dwarf or Bush—drills	80	Lettuce	4
Beans, Tall or Pole—hills.	35	Millet	40
Beet, Garden	6 to 8	Hemp—broadcast	40 to 50
Beet, Sugar	6 to 8	Melon, Water—hills.	2 to 3
Broom Corn—drills	12	Melon, Musk—hills.	2
Buckwheat—broadcast	45	Oats—broadcast	80
Cabbage—beds to cover an acre after transplanting	¼ to ½	Onions, for Dry Bulbs—drills.	4
Carrot—drills	3	Okra	5
Cauliflower (same as cabbage)	¼ to ½	Onions for Bottom Sets.	75
Celery	¼	Onion Sets	400 to 600
Clover—White, alone—for lawn.	100	Parsnip—drills	5
Corn, Sweet or Field—hills.	15	Parsley	4
Corn, to cut green for fodder—drills or broadcast.	125	Peas—drills	50 to 60
Cucumber—hills	1 to 2	Peas—broadcast	150
Egyptian Corn	15	Peanuts	30 to 40
Egg Plant	¼	Potatoes—hills	500 to 600
Endive	3	Pumpkin—hills	3
Flax (when wanted for seed)	30	Radish—drills	12
Flax (when wanted for fibre)	50	Rye—broadcast	100
Grass, Bermuda	10	Spinach—drills	12
Grass, Kentucky Blue (for pasture).	50	Salsify	10
Grass, Kentucky Blue (for lawn).	250	Squash, Bush Varieties—hills.	4
Grass, Perennial or Australian Rye (for meadow)	40	Squash, Running Varieties—hills.	3
Grass, Perennial or Australian Rye (for lawn)	200	Tomato—in beds to transplant.	¼
Grass, Orchard	40	Turnip and Rutabaga—drills.	2
		Turnip and Rutabaga—broadcast.	3 to 4
		Vetches—broadcast	100
		Wheat—broadcast	100
		Wheat—drills	75

Sowing Table for the Garden

Artichoke	1 oz. to 500 plants	Lettuce	1 oz. to 5000 plants
Asparagus		Melon, Water	1 oz. to 30 hills
Beans, Dwarf	1 lb. to 60 ft. of drill, 500 plants	Melon, Musk	1 oz. to 100 hills
Beans, Dwarf	1 lb. to 50 ft. of drill	Okra	1 oz. to 50 ft. of drill
Beans, Tall	1 lb. to 75 hills	Onion Seed	1 oz. to 100 ft. of drill
Beet	1 oz. to 50 ft. of drill	Onion, Top Sets	1 lb. to 60 ft. of row
Broccoli	1 oz. to 2000 plants	Onion, Bottom Sets	1 lb. to 75 ft. row
Brussel Sprouts	1 oz. to 2000 plants	Parsnip	½ oz. to 100 ft. of drill
Cabbage	1 oz. to 2000 plants	Peas	1 lb. to 50 ft. of drill
Carrot	1 oz. to 150 ft. of drill	Pepper	1 oz. to 1000 plants
Cauliflower	1 oz. to 2000 plants	Pumpkin	1 oz. to 25 hills
Celery	1 oz. to 5000 plants	Radish	1 oz. to 50 ft. of drill
Chicory	1 oz. to 100 ft. of drill	Salsify	1 oz. to 50 ft. of drill
Corn	1 lb. to 150 hills	Sage	1 oz. to 100 ft. of drill
Cress	1 oz. to 100 ft. of drill	Spinach	1 oz. to 50 ft. of drill
Cucumber	1 oz. to 100 hills	Squash, Early	1 oz. to 50 hills
Egg Plant	1 oz. to 2000 plants	Squash, Winter	1 oz. to 15 hills
Endive	1 oz. to 3000 plants	Tomato	1 oz. to 3000 plants
Kale	1 oz. to 2000 plants	Tobacco	1 oz. to 10,000 plants
Kohl Rabi	1 oz. to 2000 plants	Turnip, Early	1 oz. to 75 ft. of drill
Leek	1 oz. to 100 ft. of drill	Turnip, Rutabaga	1 oz. 100 ft. drill

3 Remarkable Bargain Offers in Flowers

Collection No. 1

Flowers for Shady Situations

Achillea, The Pearl.
Aquilegia Hybrids.
Balsam, mixed.
Begonia Luminosa.
Bellis (English Daisy).
Campanula (Canterbury Bells).
Coreopsis.
Calliopsis.
Digitalis (Foxglove).
Lobelia.
Myosotis (Forget-me-not).
Pansy, fine mixed.

One packet of each of the above. Value \$1.25 for \$1.00.

Collection No. 2

Fast Growing Climbing Varieties

Balloon Vine.
Snail Vine.
Canary Bird Vine.
Mina Lobata Vine.
Japanese Morning Glory.
Climbing Cucumber.
Australian Pea Vine.
Nasturtiums.

Attractive collection of eight fast growing climbers; just the thing for covering fences, outhouses and unsightly objects. Price 50c.

Collection No. 3

Desirable for its Blaze of Colors

Antirrhinum (Snapdragon).
Asters, Branching Mixed.
Sweet Alyssum.
Cornflower, Double Blue.
Candytuft, White Hyacinth.
Cosmos, Mammoth Mixed.
Chrysanthemum Annual (Painted Daisy).
Marigold, Tall African, Mixed.
Morning Glory, Mixed.
Nasturtiums, Tall Mixed.
Pansy, Fine Giant Mixed.
Petunia, Hybrids Mixed.
Phlox.
Sweet Peas, Spencer Mixed.
Zinnias, Giant Mixed.

We will also send, postpaid, the above fifteen packages of flower seeds for \$1.00.

Our Special Coupon Order Blank Offer does not apply to these Special Offers.

M. & S. Pedigreed Flower Seeds

California, which long has been famed as the land of sunshine and flowers, has finally come into its own, and is not only producing the finest flowers in the world, but, also, the finest seeds. The growing of flower seeds is now a large industry in California, and the enormous flower seed farms at Lompoc, Guadalupe, El Monte, and Salinas, besides numerous others in the State, are attracting world-wide attention, and visiting experts from all over the world acknowledge them as the finest

Most of our flower seeds are grown in California where our experts can be constantly watching the habits of growth, and selecting the best strains. There are flower seeds which, for various reasons, are not grown in California. These we obtain from Europe or from wherever they can be grown most successfully. Many years' experience has taught us where the best strains are procurable.

We have for many years catered successfully to the florists, nurserymen, and market gardeners, to whom, the obtaining of the best and newest strain is essential, so that our seeds can always be depended on.

M. & S. Asters

Sowing the Seed. Sow in used boxes or beds in light sandy soil, covering very lightly, not over one-eighth inch deep and shade with lath frame or cloth for two or three weeks and keep constantly moist but do not water late in the day. (See directions "Success with Flowers.")

Aster Beetle. This beetle has caused some trouble and frequent dustings of fine ground tobacco is necessary to save the flowers and plants, also the Root Louse causes much trouble and a mulch of tobacco dust will destroy these pests.

M. & S. American Branching Asters

GIANT AMERICAN BRANCHING. This type or class of Asters has become the most popular of all classes of asters, for late cutting, but is the latest of all to bloom. The flowers are of very large size, borne on long stems. We can furnish in all the separate colors as follows—at 10c per pkt.; ¼ oz., 40c.

White	Rose
Lavender	Crimson
Shell Pink	Mixed
Purple	

M. & S. American Beauty Asters

IMPROVED GIANT AMERICAN BRANCHING TYPE. The aster without an equal in the incurving petaled types—growing 2½ to 3 feet, with strong upright branching habit. Flowers are extremely large and fully double, blooming a very long time. Plants coming in flower in July, will last in bloom till November. The Beauty Asters can be shipped without crushing, making it a valuable florist cut flower, as well as for the home garden. We feel proud to be able to again introduce new colors this year.

Azure Fairy	Peach Blossom
(Lavender)	Rose
White	Crimson
Purple	Rose Carmine

Pkt. 25c; ¼ oz. 40c

Morris & Snow's New King Asters

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

Lavender	Pink
Violet	Crimson
Rose	White
Light Pink	

Pkt. 10c; ¼ oz. 75c

PERENNIAL ASTERS—Michaelmas Daisies. Single late summer flowering plants. Thrive in any good garden soil, if sown early in spring will bloom same season. Pkt. 10c; ¼ oz. 50c.

Crego or Giant Comet Asters

A superb class, differing from others in its long, wavy, twisted florets, which are formed into a head three and one-half to four and one-half inches across. One of the most perfect of Asters, and should be included in every collection.

White	Elk's Purple
Crimson	Lavender
Rose	Mixed
Shell Pink	

Pkt. 15c; ¼ oz. 40c

Single Asters

ASTER—Single Elegans. This is a very attractive single ray or Daisy-like Aster, and has been very attractive as a florists' flower. Very profuse bloomer and medium early. The following: Rose, Lavender, Dark Blue, White, Mixed, 10c pkt.; ¼ oz. 40c.



GIANTS OF CALIFORNIA ASTERS

Transplanting. When the plants have made 4 to 6 leaves they should be pricked off into boxes or beds, 2 inches apart and when good and strong can be bedded out where they are to bloom.

Varieties. Nothing is gained by trying to force the late varieties. If early flowers are desired, use the Dwarf Early Flowering varieties and in this way the season of blooming can be prolonged from June 1st to November 1st. Use early varieties for early flowers and Giant Comet, or Branching class for late, planted at intervals from January 1st to May 20th, as it takes 4 to 6 months for the late flowering varieties to bloom from seed. Some florists grow two crops yearly, planting in August for large Winter flowers.

Exhibition Flowers. In order to give the finest flowers, the plants must have abundant plant food and moisture. Pulverized sheep manure is unsurpassed, also nitrate of soda is a powerful stimulant but must be used with great care. One pound of the latter to the square rod, broadcast, is enough for one application and repeated at intervals of ten days gives fine results.



KING ASTER

Giants of California Asters

This is a novelty of great merit possessing the robust habit of growth which characterizes the Beauty type with the Crego type of flower; but larger and of a true non-lateral shape. Specially fine for cut flowers owing to the length of stems and the beauty of colors. White, Rose, Light Blue and Blue. Pkt. 25c.

General List of Flower Seeds

ANNUALS attain full growth from seed, flower and die in one year.

BIENNIALS grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.

PERENNIALS last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.



AQUILEGIA (COLUMBINE)

ABRONIA UMBELLATA. Delicate rose, the "sand" verberna, beautiful native trailer. Pkt. 10c.

ACANTHUS (Bear's Breech). Stately ornamental perennial plants, remarkable for beautiful large foliage, good for background in mixed borders and the wild garden. Sow seed in bed or box and transplant. Pkt. 10c.

ACHILLEA. Perennials, usually blooming first year from seed. Fine plants for cutting. Plant seed in bed and transplant.

ACHILEA. "The Pearl." Extra double white flowers. Very fine for florists use. Pkt. 10c.

ACONITUM (Monk's Hood). Beautiful perennials, flowering easily from seed. Resembling the Delphinium and mostly of blue shades. When left for years make large clumps. Will stand in almost complete shade. Roots are poisonous. Napellus Blue. Pkt. 10c. Mixed species. Pkt. 10c.

ACROLINUM. One of the most popular Everlasting or Straw flowers. Colors: White, Rose or Mixed. Pkt. 10c.

ADONIS (Flos). Crimson with black eye. "The Pheasant's Eye," a beautiful showy free flowering plant. Pkt. 10c.

AGATHEA CELESTIS. (Heavenly Blue). A blue perennial Daisy, very satisfactory border or bedding plant. Blooms throughout the year, especially good for winter flowers. Pkt. 10c.

AGERATUM MEXICANUM. Very effective rapid growing border plant with fuzzy light blue flowers, 9 to 12 in. high. Pkt. 10c.

AGROSTEMMA CORONARIA (Mullen Pink). Stout erect growing plants with silver foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; flowering in July and August. Pkt. 10c.

ALONSOA. Very attractive plants for bedding, usually treated as annuals, but frequently prove perennial here. All colors mixed. Pkg. 10c.

Sweet Alyssum

The Alyssums have become one of the popular border plants, thriving anywhere. The dwarf variety being excellent for edging, bordering beds or even for sowing in masses, in manner of carpet bedding. The taller varieties are for sowing in shrubbery.

ALYSSUM PROCUMBENS. A new very dwarf variety, fine for edging or borders, and claimed to be far finer than any yet introduced for this purpose. Pkt. 10c; oz. 50c.

ALYSSUM LITTLE GEM. Dwarf. 4 to 6 in. pkt. 10c.

ALYSSUM SAXATILE. Yellow. A fine perennial border plant. Pkt. 10c.

ALYSSUM (Lavender Queen). Same habit of growth as the old white variety, but has a very pleasing tint of Rose Lavender flowers. Pkt. 10c; oz. 40c.

AMARANTHUS (Joseph's Coat). Tricolor. A very attractive and showy bedding plant, with variegated foliage (3 to 4 ft.). Pkg. 10c.

AMARANTHUS MELANCHOLICUS RUBER. A blood red foliage variety, extremely showy for bedding; grows 2 to 3 ft. or can be trimmed and kept dwarf. Pkt. 10c; ¼ oz. 15c.

AMARANTHUS SALICIFOLIUS (Fountain Plant). Extremely showy, variegated with purple, gold and crimson (3 ft.). A bed planted with these, bordered with Dwarf Dusty Miller, makes a wonderful sight. Pkt. 10c; ¼ oz. 20c.

AMMOBIUM ALATUM GRANDIFLORA. White everlasting flower, 10c.

ANCHUSA CAPENSIS. Deep sky blue Cape. Forget-Me-Not, a very fine annual. Pkt. 10c.

ANCHUSA ITALICA (Dropmore). Giant "Forget-Me-Not." A tall growing plant with large leaves and bright blue flowers; very showy and fine for cutting; perennial flowering first year if planted early. Pkt. 10c.

Anemone

These beautiful Irish Poppy-flowered varieties produce in abundance large single, semi-double and double flowers, three to five inches across, of an endless variety of colors, from maroon and bright scarlet to flesh pink, and from lilac to purple; some are mottled, striped, ringed, etc. For cutting they are unsurpassed. They are hardy perennials, flowering from seed in about six months. If seed is sown in April they should commence to bloom by October and from then on will be in continuous bloom till the following March or April.

ANEMONE—Single and double, in fine mixture. Pkt. 10c.

ANEMONE—JAPONICA. The tall perennial growing anemone. A hardy variety growing about 3 feet high and blooming in large clusters.

Elegans. Pink. Pkt. 10c.
Honorine Jobert. White. Pkt. 10c.

ANTIGONON LEPTOTUS (Rosa de Montana). Very handsome rapid climber. Flow-

Antirrhinum

SNAPDRAGONS

GIANT FLOWERING SNAPDRAGONS

These form brilliant garden beds, flowering prodigiously and continuously the first season from seed. Unusually effective bedding displays are made from these magnificent flowers, which grow about 1 to 4 feet high and are completely enveloped with beautiful flowers of splendid texture and substance, rendering them very durable under all conditions of weather; their continuous blooming qualities, ease of culture and independence of heat and drought, and pure, brightest colors, should entitle them to a permanent place in every garden. Although perennials, they bloom in 4 to 5 months from seeding. The flowers are nearly double the size of the older sorts.

Antirrhinum Maximum

This is a new variety with the same habit of growth as the tall variety, but with flower stems carrying flowers of magnificent size placed closely on the spike. We offer the following colors for the first time this season:

The Rose. Beautiful Rose.
Canary Bird. Canary Yellow.
Cattleya. Rosy Lilac.
Copper King. Velvety Copper Scarlet.
Old Gold. Golden Yellow.
Pkt. 15c; ¼ oz. 50c.

Antirrhinum

(TALL CLASS)

Silver Pink. Light Pink.
Harmony (Orange). Scarlet.
Fire King. White.
Rose. Yellow.
Mixed. Black Prince.
10c pkt.; ¼ oz. 25c.



ANTIRRHINUM (SNAPDRAGON)

Antirrhinum

(SEMI-DWARF)

ANTIRRHINUM. Semi Dwarf. Large flowering. A beautiful class very extensively grown in the east and Europe for bedding, these varieties produce as large flowers as the tall class, while the plants are of compact, bushy growth, about 1½ feet high and are completely enveloped in flowers throughout the year, any of the following colors separate, 10c per pkt; ¼ oz. 25c.



SNAPDRAGON—SEMI-DWARF

Silver Pink.
Amberqueen. Amber suffused cbamois.
Bonfire. Orange buff shaded scarlet.
Cottage Maid. Pale pink white tube.
Coccinea. Glowing orange scarlet.
Firebrand. Bright scarlet.
Fawn. Terra Cotta pink.
Daphne. Light pink.
Golden Queen.
White.
Mixed.

Aquilegia—Columbines

A most desirable border plant in its many varieties. It forms large clumps, blooms early, long and abundantly, is quite hardy, useful for cutting and elegant in habit. Sow the seed in the open ground or in beds at any time of the year and thin to about one foot apart. When planted in the fall they will bloom the next spring and summer. They thrive well with ordinary garden culture, but such rare sorts as *A. Coerulea* and *A. Chrysantha* do best in a partially shaded corner. Very few of the hardy perennials are so easily grown from seed. Best if transplanted.

LONGSPURRED HYBRID COLUMBINES.

This new race represents the highest perfection yet attained in the development of this favorite flower. The plants are extremely robust with large, handsome foliage and flower stems often 40 inches in height, carrying magnificent clusters of immense long spurred, single flowers which last a long time in bloom. The colors are superb and varied—including rich shades as well as many new and delicate tints; pure white, blue and white, pure yellow, pink with yellow corolla, red with orange corolla, cerise, purple, rose and white, salmon, lavender, mauve, etc. Mixed pkt. 15c.

DOUBLE FLOWERING HYBRIDS. Beautiful, large, double flowers, formed of several rows of cornucopia-like petals and of various shades of yellow, lavender, blue, indigo, and white. Pkt. 10c.

ROSE QUEEN. New long-spurred Columbine, bears profusely, long-spurred single flowers shading from light pink to dark rose color, with white center and yellow anthers. Pkt. 15c.

ALPINA ATROCOERULEA. Purple blue. Pkt. 10c.

ALPINA SUPERBA. Blue and white. Pkt. 10c.

CALIFORNIA HYBRIDA. Large yellow flowers. Pkt. 10c.

CHRYSANTHA. Golden yellow, long-spurred. Pkt. 10c.

COERULEA. Rocky Mountain Columbine. One of the finest of our native American flowers. Sepals deep blue, petals white; about 3 ft. Pkt. 10c.

SKINNERI (Mexican Columbine). Very handsome and quite distinct; spurs and sepals long, crimson and light green, about 3 ft. Pkt. 10c.

Arctotis

ARCTOTIS GRANDIS. Pure white, lilac on the outside, 10c.

ARCTOTIS BREVISCARPE. Orange. Pkt. 10c.

ARMERIA MARITIMA (Thrift). Fine for borders. This is a fine little plant for edging; always in blossom and very hardy. Pkt. 10c.

Asparagus

ASPARAGUS PLUMOSA (Asparagus Fern). A very satisfactory plant for pot culture and decoration. Pkt. 10c.

ASPARAGUS SPRENGERI. The best and most hardy fern we have for hanging baskets and window boxes and also useful for bedding under shade. Pkt. 10c.

ASPERULA ODORATA (Woodruff). A sweet scented annual, with light blue flowers. Pkt. 10c.

Balsam

DOUBLE CAMELLIA-FLOWERED (Lady Slipper). An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored, double flowers in the greatest profusion; of easy culture; succeeds in a good rich soil; tender annuals; 2 feet. Start the seed in March under cover or sow out-of-doors in May. To grow fine specimens they should not be closer than 18 inches apart.

Scarlet. Pkt. 10c.

Rose. Pkt. 10c.

Mixed. Pkt. 10c.

Baptisia Australis

FALSE INDIGO. A beautiful hardy perennial herbaceous plant, producing pea-shaped flowers on spikes 6 inches long. Bright blue; 2½ ft. Pkt. 10c.

BARTONIA AUREA. Blazing Star. A fine free flowering annual, native to California, with silvery gray foliage and great masses of large, bright yellow single flowers. Pkt. 10c.

Bellis

(ENGLISH DAISY)

A favorite perennial plant which will bloom throughout the year. The seed we offer is saved from the finest double varieties; easily raised from seed; usually sown in July or August; but can be sown in spring.

BELLIS—MONSTROSA. New double Giant Daisies. These come in white and pink and are the size of small asters, and are produced on stems, 6 to 8 inches long. Highly recommended for the border.

MONSTROSA WHITE. Pkt. 15c.

MONSTROSA ROSE. A superb variety, producing but 12 to 15 flowers to the plant; but these are of extraordinary size; of beautiful bright rose. Pkt. 15c.

BELLIS MONSTROSA. Mixed. Fine quality. Pkt. 10c.

BELLIS—RED QUILLED. Semi-double. Pkt. 15c.

Browallia

One of our favorite profuse blooming plants. The first two listed are used for bedding and borders.

BROWALLIA ELATA. Blue and white. Pkt. 10c.

BROWALLIA CZERWIAKOWSKII. Deep blue. Pkt. 10c.

BROWALLIA JAMESONI (Streptosolon). "Madam Modjeska Heliotrope." Very similar in habit of growth to Heliotrope, but more hardy and producing in wonderful profusion great clusters of orange and yellow flowers. Perennial. Pkt. 10c.

Begonias**EVERBLOOMING BEDDING VARIETIES**

The following are varieties of Begonia Semperflorens, and take rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in positions partially or wholly in shade. They are of sturdy growth, growing about 1 foot high and forming dense bushes, which from May until frost, are completely bidden with flowers. As pot plants for winter-flowering they are superb, remaining a sheet of bloom throughout the entire year. Easily raised from seed, which should be started either indoors or in a botbed, or better yet to plant in boxes of peat moss or leaf mold—and do not cover seed at all, but cover close with a pane of glass and water from the bottom.

BEGONIA GRACILIS. A very pretty half-dwarf variety, 8 to 10 inches high, densely covered with handsome flowers of a delicate rose color. Pkt. 15c.

BEGONIA LUMINOSA. New, fiery dark scarlet, with foliage reddish-brown or bronze. A superb variety, quite dwarf in habit and bearing the flowers on stems well above the foliage. Pkt. 15c.

BEGONIA VERNON. 12 to 15 in. high, green foliage with rose colored flowers, fine for bedding. Pkt. 10c.

BEGONIA SEMPERFLORENS. Erfordi. Densely covered with delicate rose colored flowers. A bedding variety. Pkt. 15c.

BEGONIA SEMPERFLORENS. Salmon Queen. A new variety with strikingly effective salmon pink flowers. Pkt. 10c.

BEGONIA. Tuberous Rooted. Fine single strain from Europe. Pkt. 25c.

BEGONIA. Tuberos Rooted. Extra select from very choice collection. Pkt. 35c.

BEGONIA. Tuberous Rooted. Double mixed. Pkt. 50c.

BEGONIA. Tuberous Rooted. Fringed mixed 50c.

BEGONIA. Tuberous Rooted. Narcissus flowered. This is a remarkable novelty, a large percentage of the semi-double flowers, bearing a strong resemblance in form to the Narcissus. Pkt. 50c.



EVERLASTING FLOWER

Brachycome

(SWAN RIVER DAISY)

IBERIDIFOLIA "BLUE STAR" (New). An annual, but in California it becomes a perennial, blooming continuously. Good hardy border plant. Pkt. 10c.

Ornamental Pepper

CAPSICUM CHERRY. A small cherry-shaped pepper, largely used for holiday decoration, best if grown in pots. Pkt. 10c.

Calceolaria

CALCEOLARIA HYBRIDA. (Tender plants.) Grandiflora. Large flowers, splendid strain. 25c pkt.

CALCEOLARIA PROFUSA. 2 to 3 feet. Innumerable small yellow flowers. Pkt. 50c.

CALCEOLARIA RUGOSA. True bedding variety, producing in great quantities small yellow flowers. Pkt. 50c.

Calendula

CALENDULA. "Winter" or "Pot Marigold." Improved double strain, and if given good rich soil, will produce very large flowers while they grow anywhere; will respond to good culture very quickly. Planted in mid-summer will be in good bloom in 3½ months and continue all winter. Very satisfactory for winter cutting.

Double Orange. Pkt. 10c.

Double Lemon. Pkt. 10c.

Double Meteor. Creamy white striped orange. Pkt. 10c.

**CALLIOPSIS****Calliopsis**

CALLIOPSIS BICOLOR. Improved new giant flowered variety. Red flowers with brown outer edge of petals. A very striking flower blooming about 3 months from seed. Pkt. 10c; ½ oz. 20c.

CALLIOPSIS TIGER STAR. A very dwarf variety, fine for bedding; grows 12 inches, free flowering and a remarkably showy little plant; flowers yellow with reddish brown center. Pkt. 10c; ½ oz. 20c.

Coreopsis

COREOPSIS LANCEOLATA. One of the finest hardy garden plants grown, forming large clumps 2 to 3 ft. high and increasing in beauty, luxuriance and floriferousness each year. Flowers the first season from seed sown early. Immense rich, yellow flowers, flowering in profusion for a long period during the summer, and unequalled for cutting; grows anywhere. Pkt. 10c.

COREOPSIS DRUMMONDI. An annual coreopsis, though practically proving perennial in California. This beautiful Calliopsis is similar in size to *C. lanceolata* but has a dark eye in center of flower, blooming three to four months after planting and when cut back quickly throws up other flower stems and blooms practically all summer; flowers about 2 inches across; and stems 12 inches to 2 ft. long; keeping for days when cut. Pkt. 10c; ¼ oz. 20c.

COREOPSIS-HYBRID CORONATA. A new variety, attaining the size of *C. Drummondii*, but has a delicate lacy ring around base of petals of light maroon and gold setting off the deep yellow in a striking manner. Very handy perennial. Pkt. 10c.

Canterbury Bells

(CAMPANULAS)

All campanulas bring best results if sown either in early spring or fall—but we have had good results from seed started in mid-summer. The seed should be sown in protected beds or boxes with slight covering and shade. Transplant as soon as large enough. The following list contains annuals, biennials and perennials and for convenience we have divided them under different classes—the biennial if planted by Oct. 1st, generally flowers next season.

ANNUAL VARIETIES

CAMPANULA ATTICA. Most graceful little plants which are very hardy and should be known better. White, pkt. 10c; Blue, pkt. 10c.

C. SPECULUM. Blue. Pkt. 10c.

C. SPECULUM PROCUMBENS. A trailing variety; fine for hanging baskets. Mixed. Pkt. 10c.

BIENNIALS**TRUE CANTERBURY BELLS
(CAMPANULA MEDIUM)**

Very ornamental garden plants of easiest culture, flowering the second season from seed; hardy biennial, 2½ feet high, producing large bell-shaped flowers of exquisite colors. The "Cup and Saucer" varieties (*Campanula Calycanthema*) produce beautiful single flowers three inches in length, saucers 3 to 4 inches across. The plants form perfect pyramids of bloom bearing frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer.

Double Lavender, Lilac, Rose, White. Pkt. 10c.

Single Lilac, Rose, White and Blue. Pkt. 10c.

CALYCANTHEMA. (Cup and Saucer Canterbury Bells.) This is unquestionably the finest type of this old-fashioned and much-prized garden plant. They differ from the ordinary type in having an extra large calyx, which is of the same color as the flower, giving the appearance of a cup and saucer. They are effective either in the garden or grown in pots for conservatory or table decorations.

Rose, White, Blue, Lilac, Mixed. Pkt. 10c.

PERENNIAL CANTERBURY BELLS

CARPATICA (Carpathian Hare-bell). Free flowering hardy perennial, continuing in bloom the whole season; color clear blue; grows 6 inches high; especially good for edging. Pkt. 10c.

ALBA. The white-flowered form of the above. Pkt. 10c.

PERSICIFOLIA MOERHEIMI. The plant grows more compact than the other persicifolia varieties, and the stems are quite covered with very large flowers of the purest white, which have a diameter of 2½ to 3½ inches and are double and semi-double. The flowers are not bell-shaped like other Campanulas, but resemble a double-white Camellia. Pkt. 15c.

PERSICIFOLIA GRANDIFLORA (Peach Bells). Undoubtedly one of the finest of the hardy Bellflowers! Grows 2 to 3 ft. high, with large blue bells. Pkt. 10c.

PERSICIFOLIA ALBA. The white-flowered Peach Bells. Pkt. 10c.

PYRAMIDALIS (The Chimney Bellflower). A beautiful, stately, hardy plant, either for garden or pot culture; blue salver-shaped flowers; 4 to 5 feet. Pkt. 10c.

Candytuft

(IBERIS)

The Candytufts are among the best flowers for edging, bedding, massing for rookeries and for cutting. Several of them are fragrant, and are profuse in bloom. If sown out of doors at any time of the year; will bloom in about three months. Pkt. 10c; oz. 40c, except where noted.

**IBERIS (CANDYTUFT)**

CANDYTUFT HYACINTH FLOWERED.

The best variety for cutting, heads from 3 to 6 in. long. Pkt. 10c; oz. 80c.

CANDYTUFT LILAC.

CANDYTUFT CARMINE.

CANDYTUFT CRIMSON.

CANDYTUFT ODORATA. White, sweet scented.

CANDYTUFT MIXED COLORS.

CELSIA CRETICA. A tall-growing plant with long spikes 3 to 6 feet, carrying yellow flowers with dark markings in center, somewhat resembling Snapdragons. Very showy and desirable. Pkt. 10c.

Celosias

CELOSIA CRISTATA (Cockscomb). Free blooming annuals growing best in rather light soil, not too rich; make grand border plants and are attractive for pots. Should be sown early, as they stand no frost.

CELOSIA CHRYSANTHIFLORA (New). A most beautiful flower, the result of crossing different types of Celosia, giving a head quite resembling a very full chrysanthemum. This has attracted a great deal of attention and very favorable comment wherever shown, and is very effective as a dried flower. This Celosia is very easily grown from seed and will be a great attraction in any garden. Pkt. 25c.

CELOSIA CHILDSI. "Woolflower." The new dwarf cockscomb from China. Introduced some 3 years ago; has proven a great acquisition to this class of plants; should be bedded out and transplanted as soon as frost is past.

Crimson, Dark Pink, Yellow or Mixed. Pkt. 10c

COCKSCOMB EMPRESS. Combs of colossal proportions; they have been grown measuring 24 inches from tip to tip; rich crimson. Pkt. 10c.

COCKSCOMB—Dwarf Mixed. Fine dwarf varieties. Pkt. 10c.

CELOSIA PLUMOSA (Feathered Cockscomb). Make fine plants for large beds or groups, and the plumed flowers can be cut and dried for winter bouquets.

COCKSCOMB—Thompson's Superb (Triomphe de l'Exposition). Of pyramidal growth, attaining a height of little more than 2 feet, and producing graceful, feathery plumes of the most brilliant crimson. In sunlight the rich color of the flower spikes is beautifully contrasted with the bronze-colored foliage. Pkt. 10c.

COCKSCOMB—Thompsoni Magnifica. Similar to the preceding in all respects except in color, which varies in the most magnificent shades, ranging from the clearest yellow to the darkest blood-red. Pkt. 10c.

COCKSCOMB—Golden Plume. Bright, golden-yellow plumes. Pkt. 10c.

COCKSCOMB—Plumosa. Mixed. Pkt. 10c.



CELOSIA CRISTATA (COCKSCOMB)

Centaureas

This is one of our specialties in flower seed, and the popularity of it has greatly increased during the past few years, owing to the beautiful late introductions we have been able to secure from the finest stock grown on either continent. They should be planted where they are to be grown, and at any season of the year, and will bloom about four or five months from planting.

Under this name is included such popular flowers as Sweet Sultan, Corn Flower, Blue Bottle, Bachelor's Button, etc., and known in all sections of the country and especially popular in California. A great favorite among the florists for cut flowers.

ROYAL SWEET SULTAN OR IMPERIALIS is the improved strain. We have these in the following colors. Pkt. 10c; oz. 75c.

Centaurea Imperialis. Pure White.
Centaurea Imperialis. Bright Lavender.
Centaurea Imperialis. Rose.
Centaurea Imperialis. Purple.

AMARANTH RED. This new variety produces the largest flowers on long stems and is very desirable for cutting.

CENTAUREA CYANUS. Double Blue Corn flower. This is identical in color to the popular single variety, which is so much in demand for cutting, especially for buttonholes, but, being a full double flower, it takes fewer of them to make a nice bunch, and is better in every way. 10c per pkt.; oz. 75c.

CENTAUREA CYANUS. Double Pink. Pkt. 10c; oz. 60c.

CENTAUREA CYANUS. Mixed colors. Pkt. 10c; oz. 50c.

CENTAUREA SUAVEOLENS. A beautiful large yellow variety. Pkt. 10c; oz. 75c.

CENTAUREA CANDIDISSIMA (Dusty Miller). This is the best of the so-called "Dusty Miller" plants, being more white and dwarfer than the cineraria. Pkt. 10c.

Cheiranthus

CHEIRANTHUS KEWENSIS. Virginian stocks mixed. Pkt. 10c.

Chrysanthemums

CHRYSANthemum JAPONICUM. The large Japanese chrysanthemum. Pkt. 25c.

CHRYSANthemum FRUTESCENS. "Marguerite or Paris Daisy." The well-known white Marguerite, always in bloom. Pkt. 10c.

Annual Chrysanthemums or Painted Daisy

These are becoming more popular every year and are not only grown for summer, but are quite as satisfactory for winter flowers, being hardy in So. California. Can be planted at intervals and had in bloom the year through. Of compact, thrifty growth, about two feet high. Large plantings are made in August, September and October for winter blooms.

CHRYSANthemum SINGLE MIXED. These are sometimes called Painted Daisies because of their bright colored flowers, which appear about 3 months from planting, coming in all shades and colors of flowers from yellow, buff, red and maroon blotched and rayed, making excellent flowers for cutting. Pkt. 10c; ¼ oz. 15c.

CHRYSANthemum CARINATUM TRI-COLOR. A large daisy-like yellow flower, with ring or ray center of maroon. Pkt. 10c; ¼ oz. 15c.

CHRYSANthemum ATROCOCINCUM (Sultan). Deep scarlet. Rayed with yellow ring, and maroon centre. 10c pkt.; ¼ oz. 15c.

CHRYSANthemum BURRIDGEANUM (Lord Beaconsfield). White, with rose-colored rays. Maroon center. Pkt. 10c.

CHRYSANthemum CAR. Eclipse. Brown and yellow. Pkt. 10c.

CHRYSANthemum CAR. Northern Star. Giant White flowers, dark center (novelty). Pkt. 10c.

CHRYSANthemum CORONARIUM. Double white. Pkt. 10c.

CHRYSANthemum CORONARIUM. Double mixed. Pkt. 10c.

CHRYSANthemum EVENING STAR. Pkt. 10c; ½ oz. 25c.

Cineraria Hybrida

Magnificent and indispensable flowering plants for winter and spring decoration for the conservatory or window gardens. The flowers measure 2 to 3 inches across, are white, blue, violet and crimson shades; usually two or more colors are shown in one flower, covering the plant with a sheet of bloom. The Cinerarias are quite hardy in California and if planted out under shade, bloom to the greatest perfection. Seed may be sown in beds and boxes, carefully protected, and when large enough, may be bedded out or grown in pots. Sown in spring for winter flowers.

STELLATA, Improved Hybrids. Tall, pyramidal plants, bearing quantities of medium-sized star-like flowers in immense umbels; an exceedingly decorative pot plant. Colors, white, rose, red, carmine and blue mixed. Pkt. 25c.

CINERARIA—Giant Flowered Dwarf Hybrids. An improved large flowering class, with compact growth—in many rich colors; a prize strain. Pkt. 50c.

CINERARIA MARITIMA. Used for borders. Silvery green foliage. (Dusty Miller). 10c.

Gladioli

Special assortment from our named varieties. 50c per doz.

Clarkias

These are among our best annual native flowers. Sown in early fall they bloom in early spring, and can be kept in bloom nearly all the year. The following are garden hybrids of the old *C. Elegans* and grow about 1½ ft. Each, per pkt., 10c.

Double Rose.
Double Crimson.
Single Pink.
Single Purple.
Single White.
Double Mixed.
Single and Double Mixed.

Coleus

These are very largely used for bedding, but are quite tender, and will not stand outside during winter. Should be bedded out in early spring, shady position preferred, and on approach of winter trimmed back and potted up, and can be used as house plants for winter decoration. Seed is very small and requires considerable care in planting. Best way is to plant in loose soil composed of sand and leaf mold, equal parts, in deep box and cover with glass or cloth shading in hot weather. Cover seed very slightly.

COLEUS. Large-leaved, beautifully colored exhibition varieties. Pkt. 25c.



COSMOS DOUBLE CRESTED

Cosmos

This is one of the best-known fall flowers, but can be planted in California, at any time of the year. If planted in the spring it will not flower till fall, but if planted during the summer it will be more dwarf and flower about the same time, or if planted in late fall will bloom in the spring. Several new varieties have been added to this popular flower. If topped when half grown will hasten flowering. They should be grown in full open sun. Pkt. 10c; oz. 40c; except when noted.

LADY LENOX PINK. A true giant. We exhibited flowers of this marvel over 6 inches across. Color is a deep pink and is very striking. This is the finest cosmos to date, looking like a single dahlia. Pkt. 10c.

COSMOS. White Lady Lenox. (New.) Identical with the older pink variety of which it is supposed to be a seedling; pure clear white with large broad petals—a superb variety. Pkt. 10c; oz. 40c.

COSMOS MAMMOTH CRIMSON. Pkt. 10c; oz. 40c.

MIXED. Very fine. Pkt. 10c; oz. 30c.

COSMOS KLONDYKE, YELLOW. Smaller than preceding varieties, and a late bloomer, but very showy and an exceptionally good keeper as a cut flower. Pkt. 10c.

COSMOS. New Early Flowering. White. Pkt. 10c.

COSMOS. New Early Flowering. Pink. Pkt. 10c.

COSMOS. New Early Flowering. Red. Pkt. 10c.

COSMOS. New Early Flowering. Mixed. These bloom 1 to 2 months earlier than the older varieties. Pkt. 10c.

New Double and Crested Cosmos

ANEMONE FLOWERED. A form as illustrated in picture. This is the original form but is being constantly improved. We offer three distinct colors this year in the Crested type, but many of these will be of double form. They will vary considerably but are all charming flowers. White, Pink, Red and Mixed. Pkt. 15c.

Cosmidium

COSMIDIUM. Orange Crown. Very handsome annual, growing 1½ to 2 ft. in height, flowers of golden yellow with broad circle of rich orange around the disc and carried on long stems well above the foliage. The plants produce a succession of bloom throughout the summer. Pkt. 10c.

Dahlias from Seed

CHOICE. Large-Flowering, Double Decorative and Show Varieties, Mixed. Pkt. 15c.

CACTUS DAHLIA. Double. Mixed colors. Saved from the choicest show varieties. Pkt. 15c.

Delphinium or Hardy Larkspur

GIANT HYBRIDS. A splendid race of these hardy garden plants. The seed has been saved from one of the choicest named collections in England, all carefully hybridized, so that plants, spikes and flowers of magnificent proportions will be produced. The individual blossoms are of immense size, semi-double and perfectly double, dressing the graceful, towering spikes for from 2 to 5 feet of their length. The colors and shades are wonderfully lovely and varied, ranging from pure white and most chaste lavender up through every conceivable shade of blue to deep indigo and purple, several shades being blended in some of the varieties. The plants are tall growers, from 4 to 6 feet in height and there are but few plants that contribute so much to the beauty of garden or herbaceous border. By cutting off the spikes immediately after flowering, these Delphiniums may be had in bloom for several months. Pkt. 15c.

DELPHINIUM, BELLA DONNA. Ever-blooming hardy Larkspur. With giant flower spikes often making stems 5 to 6 feet high and flower spikes 2 feet. Most gorgeous sight when planted in clumps. This is, we believe, one of the grandest of the entire list. Light blue. Pkt. 15c.

DELPHINIUM, BELLA DONNA HYBRIDS. These come in all shades of Blue, from very light to Purple; of medium tall branching habit rivaling the preceding variety in beauty. Seed should be planted in bed and transplanted when 4 in. high. Plant 1 to 2 feet apart. Pkg. 15c.

DELPHINIUM, BELLAMOSA. Dark blue belladonna. Pkt. 15c.

DELPHINIUM, BLUE BUTTERFLY. (Chinese.) This is a new dwarf species with extremely attractive clusters of flowers. Pkt. 10c.

DELPHINIUM, CHINENSIS ALBUM. Pure dwarf white, fine for cutting, giant flowered and excellent variety. The coloring is very rare. Pkt. 15c.

DELPHINIUM FORMOSUM. Dark blue, fine perennial, and especially hardy and attractive. Pkt. 10c.

DELPHINIUM CARDINALIS. A pure, bright scarlet, very fine and hardy. Pkt. 10c.

Carnations and Pinks

The splendid carnation of the florist is a very interesting plant to grow from seed, and it is not over exacting. These can be sown in beds or in boxes at any time of the year, and they will bloom in four to six months after sowing. Young plants are perfectly hardy out of doors. The new race of Margaret carnations is an extra vigorous class, and blooms profusely. For masses of bloom few plants are finer and for pots also, their neat habit making them very suitable. Grown as annuals from seed sown in spring they are very satisfactory. Our seed of these varieties is especially grown for us in Europe.

True Carnations

CHAUBAUD'S EVERBLOOMING. Raised by a famous French specialist. Blooms in five months after being sown and continues to flower in the greatest profusion indefinitely. Mixed colors. Pkt. 25c.



BED OF DELPHINIUM HYBRIDS

Margaret Carnations

These are deservedly the most popular Carnations with amateurs as they begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf, robust habit, requiring no artificial support, and producing on long, strong stems an abundance of large, double, beautifully fringed, highly-scented flowers. All the following varieties at 10c per pkt.

White
Rose
Scarlet

Dark Red
Yellow
Mixed

Cyclamen Gigantea

CYCLAMEN GIGANTEA "ROCOCO." A fancy strain of large flowering Cyclamen with fancy markings and fringed petals. A superior strain. Pkt. 50c.

CYCLAMEN GIGANTEA. Red. Pkt. 25c.
CYCLAMEN GIGANTEA. Salmon. Pkt. 25c.

CYCLAMEN GIGANTEA. White with eye. Pkt. 25c.

CYCLAMEN GIGANTEA. Large flowered variety. Fine strain. Mixed. Pkt. 25c.

C. PAPILIO. New Butterfly Cyclamen. Fine strain. Pkt. 50c.

Dianthus

DIANTHUS—PLUMARIUS, Clove or Grass Pinks. These very desirable sweet-scented, low growing, early blooming pinks are unequaled for the bordering of beds, automobile drives and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun, and in an open situation. Single mixed. Delicately fringed flowers. ¼ oz. 25c; pkt. 10c.

DIANTHUS PLUMARIUS SEMPER-FLORENS. Florist Pink. Hardy class; very fragrant. Double mixed. Pkt. 10c.

Double Garden Pinks

DIANTHUS CHINENSIS FL. PL. China or Indian Pink. Blooms in clusters, flowers very double in a large range of bright colors, ¼ oz. 20c; pkt. 10c.

DIANTHUS DIADEMATICA FL. PL. (Double Diadem Pink.) Beautiful double flowers, mixed, of various tints of lilac, crimson, purple, to very dark purple with the outer edges fringed and nearly white. Per ¼ oz. 30c; pkt. 10c.

DIANTHUS LACINIATUS. (Single Fringed Pink.) Large flowers, with fringed edges, in a great variety of colors and markings. Per ¼ oz. 30c; pkt. 10c.

DIANTHUS NOBILIS FL. PL. (Double Royal Pinks.) Flowers of largest size, varying in color from scarlet to dark blood-red and rose to white. ¼ oz. 50c; pkt. 10c.

Dictamnus

DICTAMNUS FRAXINELLA. (Burning Bush.) Derives its common name from the fact that it gives off a gas that flashes up momentarily when a match is applied without any injury to the plant. Per pkt. 10c.

Didiscus

DIDISCUS COERULEUS (Trachymene). "Blue Lace Flower." An old introduction, but long unknown. An Australian annual of great merit as a cut flower. Perfectly at home in California; grows 2 to 3 ft. high and profuse bloomer; flowers are sky blue. Pkt. 15c.

Digitalis or Foxglove

The improved foxgloves are very showy, hardy, perennial plants for the garden and herbaceous border, are easy to grow and produce freely long spikes, standing 4 to 5 feet high, well furnished with Gloxinia-like flowers of various colors including white, cream, rose, purple and other shades all of which have beautiful throat markings, spots and blotches of purple, maroon, etc. They are more robust than the ordinary garden Digitalis having shorter stems and larger flowers. Pkt. 10c.

GLOXINIAEFLORA ALBA. White.
GLOXINIAEFLORA. Purple.
GLOXINIAEFLORA. Rose.
GLOXINIAEFLORA. Finest mixed. Pkt. 10c.

DIGITALIS MONSTROSA. Mixed colors. A very unique and beautiful type, producing long spikes of large flowers of various colors, many of which are beautifully spotted, etc., but the striking feature of this strain is the enormous bell-shaped blossom that tops each spike of flowers. Pkt. 10c.

Dimorphotheca Aurantiaca

ORANGE AFRICAN DAISY

A comparatively new and extremely showy annual from Namaqualand, South Africa. The plants of very neat branching habit, grows about 12 to 15 inches high, producing great masses of daisy-like flowers of deep golden yellow with a satiny texture. Pkt. 10c.

DIMORPHOTHECA HYBRIDS. Coming in all colors, of yellow, white and orange. Pkt. 10c.

Echium

ECHIUM. Giant Torch Flower. A floral curiosity on account of its great size. The flower spikes reach 5 to 7 feet in height and 8 inches through. Seed planted during the spring or summer will bloom the next spring. Pkt. 10c.

Eremurus

EREMURUS BUNGEI. A remarkable plant with flower spikes to 8 feet and 1 foot thick. Very showy. Pkt. 25c.

Erigeron

ERIGERON AURANTIACUM (Orange Daisy). A very pretty daisy-like flower of a pleasing shade of orange. Pkt. 15c.

ERIGERON COULTERI. A white variety. Pkt. 15c.

ERIGERON SPECIOSUS (The Midsummer Daisy). An attractive perennial with large clear pale mauve flowers with bright golden centers. Excellent for cutting. Height 18 inches. Per pkt. 15c.

Eryngium

ERYNGIUM AMETHYSTIUM. A splendid perennial-herbaceous plant, very hardy and blooms for long period. Treat same as Shasta Daisy. Flower, stems and leaves are all of a delicate amethyst blue. Grows about 3 to 4 ft. Excellent cut flower and very interesting. Pkt. 10c; oz. 35c.

California Poppies

ESCHSCHOLTZIA. California Poppy. Too well known to describe. This plant can be kept blooming from year to year if kept watered.

Common California Poppy. Pkt. 10c.

California Poppy. White. Pkt. 10c.

California Poppy. Mixed, all colors. Pkt. 10c.

ESCHSCHOLTZIA GEISHA. Petals prettily fluted. Inside of petals bright golden, outside orange, crimson. Very beautiful. Pkg. 10c.

ESCHSCHOLTZIA THORBURNI. Coppery orange. Pkt. 10c.

ESCHSCHOLTZIA NEW HYBRIDS. Mixed. Pkt. 15c.

"Golden West" Poppies

An improved strain of our California Wild Poppy, which is so popular. Can be planted any time of year and is a perennial if kept well watered, otherwise is treated as an annual. Flowers are very large, often 4 to 5 in. across, of deep orange yellow. Pkt. 10c; ½ oz. 15c; oz. 25c; lb. \$2.50.

ESCHSCHOLTZIA MANDARIN. Rich orange inside, while the reverse is orange scarlet, differing from Golden West as that variety is dark in center shading out to lighter yellow. Pkt. 10c.

ESCHSCHOLTZIA BALLET GIRL. One of the new introductions showing a Cochineal Carmine inside, while outside shades off to a creamy white at the edges. Pkt. 15c.

ESCHSCHOLTZIA TANGO. Bronzy red overlaid terra cotta. This rare color produced quite a sensation among all who saw this new Eschscholtzia growing on our ranch it being the tango color which was so popular among the ladies a few years ago and is yet. Pkt. 15c.

ESCHSCHOLTZIA ORANGE FLAME. This is probably the most glowing California poppy yet produced, the color being a vivid orange scarlet. Pkt. 15c.

ESCHSCHOLTZIA MAUVE BEAUTY. A delicate new color previously unknown among Eschscholtzias, being a beautiful shade of pure mauve. Pkt. 15c.

ESCHSCHOLTZIA PURPLE GLOW. Undoubtedly the greatest advance that has been made in Eschscholtzias. It is a bright reddish purple and is the darkest shade that has been obtained so far. Pkt. 15c.

ESCHSCHOLTZIA LOVELY. We consider this Eschscholtzia well named. It is a lovely tone of bright rose pink suffused with salmon, the blooms having a satiny appearance which adds very much to the effect. Pkt. 15c.

ESCHSCHOLTZIA SCARLET BEAUTY. This is the brightest scarlet Eschscholtzia grown and as the plants are very erect, it has the appearance when in bloom of a vivid scarlet tulip. Pkt. 15c.

ESCHSCHOLTZIA WALLER'S CRIMSON. A true crimson in color and a great addition to the class. Of upright growth. Pkt. 10c.

ESCHSCHOLTZIA VESUVIUS. Wallflower Red. Same color inside as outside. Pkt. 10c.

Euphorbia

Strong-growing annuals, suitable for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; but the foliage, however, is exceedingly ornamental.

EUPHORBIA VARIEGATA (Snow on the Mountain). Attractive foliage, veined and margined with white; 2 feet. Pkt. 10c.

EUPHORBIA HETEROPHYLLA (Annual Poinsettia Mexican Fire Plant, Pointed Leaf). An annual resembling in habit and color the beautiful hothouse Poinsettia. The plants grow 2 to 3 feet high of branching, bush-like form with smooth, glossy-green leaves, which about mid-summer become a beautiful orange-scarlet, presenting a striking and brilliant appearance. Pkt. 10c.

Felicia

FELICIA ABYSINICA—"Blue Marguerite." Low growing shrubby Herbaceous plant, sometimes called "blue daisy." Makes a splendid bedding plant; also useful for pot culture. Pkt. 10c.

Festuca

FESTUCA GLAUCA (Perennial). A "blue gray" grass-like plant that makes a beautiful border along walks or beds, grows about 6 inches high and is quite hardy. Plant in small bed or box and transplant. Pkt. 10c.

Forget-Me-Not

FORGET-ME-NOT. See Anchusa and Myosotis.

Four-o'Clock

FOUR-O'CLOCK (Mirabilis). See Mirabilis.

Francoa

FRANCOA RAMOSA HYBRIDA. "Bridal Wreath," a magnificent new flower (biennial), often blooming first year if planted early. Highly recommended. Pkt. 20c.

Freesia

FREESIA PURITY. This bulbous plant is generally grown from bulbs, but can be grown quite as readily from seed. Seed sown in latter part of summer or early fall will bloom freely the coming spring. Pkt. 10c.

FREESIA HYBRIDS. Freesias are lovely pot plants, usually grown from bulbs, for their elegance and the sweet fragrance of their flowers. Heretofore the flowers have been white, but this new creation contains singular colors not as yet seen in Freesias, and will bloom the first year from seed. 20 seeds 25c.

Gaillardias

These flowers are exceptionally large, often 4 to 5 inches across and show a great variety of color combinations. These magnificent Gaillardias are hardy perennials, less coarse and more compact in growth than the older kinds and they produce a constant succession of flowers all summer and fall. When grown in large groups they are gorgeously effective. As cut flowers they are almost unrivaled; the immense and brilliant flowers on long, self-supporting stems, "vase" handsomely and they last in water for days.



GAILLARDIA

GAILLARDIA GRANDIFLORA. Splendid mixed. Pkt. 10c.

GAILLARDIA PICTA LORENZIANA (Double). Very handsome flowers of remarkably easy cultivation. Pkt. 10c.

GAZANIA HYBRIDA GRANDIFLORA. Mixed. "Black-eyed Susan." Most people are familiar with the old variety, but this new strain is a great acquisition as one can get all shades from white to deep orange. Pkt. 25c.

Gerbera

GERBERA JAMESONI. "African Daisy." A magnificent daisy-like flower, 3 to 4 inches across, bright scarlet in color with long stiff stems, and a splendid keeper, making it unsurpassed as a cut flower. 10 seeds 15c.

GERBERA JAMESONI. Hybrida Mixture. Novelties of the greatest merit, running in colors from white and pinks to the deepest scarlet. 10 seeds 10c.

Geum

GEUM-COCCINEUM. Perennial. A very attractive, orange scarlet flower, grows 1½ to 2 ft. high, blooms freely. The brilliant color of the flower makes it very desirable. Pkt. 10c.

GEUM. Mrs. Bradshaw. (New.) Very useful for cutting. Pkt. 15c.

GEUM. Lady Stratheden. Flowers of a rich golden yellow. New. Pkt. 15c. 8 to 10 inches. Pkt. 10c.

Gilia

These are mostly native California flowers and are very hardy blooming annuals and perennials. When sown in early winter, plants will begin blooming early in spring and continue throughout the summer if they are kept damp.

GILIA CAPITATA. Blue California native. Pkt. 10c.

GILIA ACHILLAEFOLIA. Bright blue, growing about 2 feet. Pkt. 10c; oz. 35c.

GILIA TRICOLOR (Birdseye). Pale lilac, yellow towards the center. Pkt. 10c; oz. 35c.

Gladiolus

GLADIOLUS LEMOINES. Finest mixed. Pkt. 10c.

G. CHILDSI. Robust class. Nothing is more easy of growth than these plants. Will bloom first year from seed. Sow in beds and transplant. Pkt. 10c.

Glaucium

GLAUCIUM. Horned Poppy. Perennials, but generally treated as annuals. Silver green foliage; fine for borders. Pretty flowers. Pkt. 10c.

Golden Feather

GOLDEN FEATHER (Pyrethrum). This makes a very hardy and satisfactory border, has yellow feather-like foliage; grows about 8 to 10 inches. Pkt. 10c.

Golden Glow

GOLDEN GLOW. See "Rudbeckia."

Golden Rod

GOLDEN ROD. See Solidago.

Gomphrena

GOMPHRENA. (Globe Amaranth). An everlasting, with flower heads somewhat resembling that of clover, but larger. Orange, Crimson or mixed. Pkt. 10c.

Gourds

Ornamental climbing or trailing plants of great diversity of shapes and colored fruits. They should be planted in early spring. Each 10c per pkt.

PIPE GOURD. The variety from which the Smoker's pipe is made:

Dish Rag—two varieties.
Calabash shaped.
Bottle shaped (Lagenaria).
Dipper shaped. Egg shaped.
Hercules Club (Teddy's Big Stick).
Mock Orange.
Balsam Apple (Mormodica).
Balsam Pear (Mormodica).
All varieties mixed pkt. 10c.

Godetias

Godetias are splendid free-flowering annuals for summer bedding, with heads of cup-shaped flowers, blooming for a long period. The flowers when cut retain their beauty for some days in water. The flowers afford magnificent display when grown in masses.

Each variety, pkt. 10c; oz. 35c.

GODETIA DUCHESS OF ALBANY. Dwarf, pure white. Grows about 1 foot high.

GODETIAS LADY SATIN ROSE. Extra fine; new dwarf variety of beautiful habit and form. Pkt. 10c.

GODETIA MIXED TALL VARIETIES. Pkt. 10c.
for further varieties see bottom of column.

NEW DOUBLE GODETIAS. These are a brand new type, growing about two feet high; a cut spray resembling a spray of Double Azaleas; very effective cut flower, lasting for over a week. Each pkt. 10c; 3 for 25c.

Godetia Double Carmine.
Godetia Double Rose.
Godetia Double Mauve.
Godetia Double Mixed.

CRIMSON GLOW DWARF RED. 10c pkt., ¼ oz. 30c.

GLORIOSA. Dwarf, dark red. 10c pkt., ¼ oz. 25c.

DUKE OF FIFE. White spotted carmine. Pkt. 10c; ¼ oz. 25c.

Ornamental Grasses

The ornamental grasses have graceful habits which add much to the charm and attractiveness of the flower garden. Many of them are very effective when used cut for table decorations and banquets.

BRIZA MAXIMA. Quaking Grass. Pkt. 10c.

CHLORIS BARBATA. For borders. Pkt. 10c.

DIPLACHNE FASCICULARIS. Good for bouquets. Pkt. 10c.

ERAGROSTIS ELEGANS. Love Grass. Pkt. 10c.

FESTUCA GLAUCA. For edgings. Pkt. 10c.

PENNISETUM RUEPPELIANUM. Very fine. Pkt. 10c.

PAMPAS GRASS. Large plant producing large showy white plumes. Pkt. 10c.

PAMPAS GRASS (Roseum). Same as above but pink. Pkt. 10c.

POLYPOGON MONSPELIENSIS. Graceful. Pkt. 10c.

SETARIA NIGRA. Graceful black spikes. Pkt. 10c.

MIXTURE of dwarf and semi-dwarf grasses. They make a very effective bed or border. Pkt. 10c.

Gypsophila

"BABY'S BREATH"

Pretty free flowering elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut flowers. (See cut Centaurea.)

GYPSOPHILA ELEGANS ALBA GRANDIFLORA. This is an improved large-flowering, pure white form of the annual Baby's Breath, of free, easy growth, and grown by the acre in the suburbs of Paris and London for use with other cut flowers. Several sowings should be made during the season to keep up a supply. Per oz. 25c; pkt. 10c.



GYPSOPHILA—DOUBLE

GYPSOPHILA PANICULATA. White flowers, fine for bouquets; one of the favorite hardy perennials, blooms first year if sown early 2 feet. Pkt. 10c.

Helianthus

A very satisfactory perennial, coming into bloom the first year from seed. The plant grows to a height of from 6 to 8 feet and has long narrow foliage. Comes into bloom last of August or first of September and makes a gorgeous sight, appearing like a veritable cloud of golden yellow flowers. Pkt. 25c.

HELIANTHUS GLOBOSUS. Large double globe, very showy, dark yellow, very effective for borders. Pkt. 10c.

HELIANTHUS. Red Sunflower. A very effective and striking variety of a rich chestnut red shading to yellow at the tips. Very satisfactory for cutting. Pkt. 10c.

Helichrysum Monstrosum (EVERLASTING)

The most popular of the Everlastings or straw varieties. They come in a variety of colors. The flowers are of the shape of asters but of smaller size and make up bouquets either by themselves or in mixtures of other varieties of Everlastings.

Canary Yellow
Golden Ball
Crimson
Rose

Salmon
Silverwhite
Mixed.

Per Pkt. 10c

Heliotrope

HELIOTROPE. New giant flowered hybrids mixed, all colors, from very light blue to dark blue. Pkt. 10c.

HELIOTROPE. Peruvianum. Light blue. Pkt. 10c.



CHARTER'S DOUBLE HOLLYHOCKS

Hollyhocks

Hardy perennials or biennials, mostly treated as the latter, but most of them will bloom within the year. "Hybrids" or Allegheny species will bloom first year without trouble.

Hollyhocks are old garden favorites and are known to everyone, and we highly recommend them for showy effect in the background of borders, where they are unsurpassed.

ALLEGHENY. Semi-double. Mixed colors, with fringed flowers. Pkt. 10c.

CHATER'S SUPERB PRIZE. A fine class with crepe-like flowers. Pkt. 15c.

Newport Pink
White
Rose
Crimson
Yellow
Mixed
Annual semi-double mixed. Pkt. 10c.

Hunnemannia

FUMARIAEFOLIA
Mexican Poppy

This is by far the best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower unless touched by a hard frost. Per pkt. 10c.

Impatiens

IMPATENS HOLSTII VERMILLION. A very useful plant for bedding. Per pkt. 10c.

I. SULTANI ROSE. Pkt. 15c.

I. SULTANI HYBRIDS. Pkt. 15c.

Jerusalem Cherry

JERUSALEM CHERRY. See Solanum.

Kochia

KOCHIA TRICHOPHYLLA (Summer Cypress). Forms highly decorative bushes, foliage green, turning to red in autumn. Pkt. 10c.

Larkspur

DOUBLE STOCK FLOWERED TALL BRANCHING. This is the most popular variety and is grown by the acre for the flower market.



LARKSPUR

Lustrous Carmine	Lilac
Bright Rose	Violet
White	Sky Blue
Purple	

Seperate colors or mixed. Pkt. 10c; oz. 60c.

LARKSPUR, Double Hyacinth Flowered. As the name indicates, this variety produces a central spike shaped like a hyacinth. It does not branch out like the stock flowered type but is very well suited for bedding as well as cut flowers. Pink, Red, Blue. Pkt. 10c.

Lathyrus

LATHYRUS LATIFOLIUS. "White Pearl." "Hardy Everlasting Pea." A grand new snow white variety with flowers double the size of the old type and produced in very large trusses of from 8 to 20 flowers on a stem. Pkt. 10c.

L. LAT. PINK. Pkt. 10c.

Leonotis

LEONOTIS LEONURUS (Lion's Ear or Tongue). Herbaceous perennial growing 2 to 3 ft. high, with very attractive yellow flowers and highly recommended for the hardy border. Pkt. 10c.

Linaria

LINARIA MAROCCANA EXCELSIOR. New hybrid of this free blooming annual in varied colors, such as dark violet, bright blue, rose, dark carmine, and shades of yellow. They make a fine show in masses sown out of doors. Beautiful for bouquets. Lasts 10 days. 10c pkt.

LINARIA APARINOIDES. Golden Gem. 10c.

LINARIA BIPARTITA (Elegans). White. Pkt. 10c.

Lupins

LUPINS (Lupinus). Fine for bedding.

L. NANUS. Dwarf Mixed. Pkt. 10c.

L. TALL MIXED. Pkt. 10c.

Linum

LINUM GRANDIFLORUM (Scarlet Flax). Pkt. 10c.

LINUM FLAVUM. Yellow Perennial Flax, growing 3 to 4 feet. Very attractive herbaceous shrub. Pkt. 10c.

LINUM PERENNIS. Blue Flax, 2 ft. Very good for cutting. Pkt. 10c.

Lunaria

LUNARIA (Honesty). Hardy biennial, doing well in shade and chiefly prized for its silvery seed pods, which are of an everlasting nature and make up well in bouquets. Pkt. 10c.

Lobelia

A small growing plant largely grown for borders and baskets. The dwarf kinds for border and the trailing kinds for baskets.

LOBELIA, Crystal Palace. Dwarf, deep blue bronze foliage. Pkt. 10c.

LOBELIA PUMILA. Dwarf, bright blue, white eye. Pkt. 10c.

LOBELIA EMP. WILLIAM. Dwarf, light bright blue. Pkt. 10c.

LOBELIA. White. Dwarf. Pkt. 10c.

LOBELIA HYBRIDA SAPPHIRE. The new trailing Lobelia, fine for hanging baskets or window boxes. Flowers are a clear deep blue with white eye. Blooms in about 4 or 5 months after sowing. Pkt. 10c.

LOBELIA HAMBURGIANA. A very beautiful trailing variety similar to Sapphire. Fine for hanging baskets or window boxes. (Blue.) Pkt. 10c.



LATHYRUS (EVERLASTING PEA)

Lynchnis

LYNCHNIS, Haageana Hybrids. A hardy perennial plant growing 12 to 15 inches high, producing beautiful single flowers in a great variety of colors. Pkt. 10c.

Marigolds

Culture: The seed may be sown from March to August, and the plants pricked off into a good rich compost. To obtain large blooms such as you see in the florists windows, plants should be grown in rich soil and not more than four branches should be allowed to remain on a plant and but one bloom to a branch.

The African class is the taller grower and bears the largest flowers. Globular in shape or like a puff ball.

New African Marigolds

ORANGE PRINCE. This is an especially fine type of a tall branching strain bearing enormous flowers of the quilled form and yielding a large percentage of perfect double flowers of a rich orange.

LEMON QUEEN. Same as the above but a light lemon color. Pkt. 10c; ¼ oz. 50c.

MARIGOLD. African mix. Pkt. 10c.

French Marigolds

DWARF FRENCH DOUBLE MIXED. While not satisfactory as a cut flower they make exceptionally good bedding plants and can be had in bloom practically the year around.

DWARF LEGION OF HONOR. A very dwarf single, extremely showy, bedding plant. Pkt. 10c.

DWARF FRENCH, Dark Brown. Pkg. 10c.

DWARF FRENCH, Fistulosa-Lutea. (Twisted petals.) Light yellow. Pkt. 10c.

TALL FRENCH. Double Mixed. Pkt. 10c.

Mignonette

GOLDEN QUEEN. Pkt. 10c.

ALLEN'S DEFIANCE. A fine strain of giant flowered, white variety. Pkt. 10c.

TRUE MACHET. One of the finest for florist use; large spikes of beautiful colors; orange to red. Pkt. 10c.

GOLIATH. This is by far the best Mignonette, surpassing even our selected strain of Giant Machet. The plants grow in fine pyramidal bushes the foliage in rich green, contrasting strikingly with the bright red of the flowers. The flower stalks are tall and strong, while the spikes are often 7 in. long and 2 in. in diameter. Mignonette delights in very rich (not freshly manured) soil, and requires frequent watering. Pkt. 10c; ¼ oz. 20c.

GOLIATH. White. Similar to the above but with white florets. Pkt. 10c.

Mimosa

MIMOSA PUDICA. (Sensitive plant). A small and very curious plant with pinnate leaves, deriving its name from the fact that when a leaf is touched it immediately folds up and remains so for some time. Pkt. 10c.

Mirabilis

MIRABILIS (Four o'clock). An old garden favorite. In California it is perennial, and a very attractive plant as it is always in bloom. Pkt. 10c.



LINARIA (BABY SNAPDRAGON)

Myosotis

(FORGET-ME-NOT)

PALUSTRIS SEMPERFLORENS. A perennial variety that is hardly ever out of flower; useful in a shady spot in the border and for forcing for cut flowers in the winter. Pkt. 10c.

ALPESTRIS ROBUSTA GRANDIFLORA. The large perennial, spring flowering Forget-Me-Not, with intense sky blue flowers, bright and attractive. Pkt. 10c.

MYOSOTIS STRICTA, "Blue Gem." Very distinct, upright habit; fine for cutting. Pkt. 10c.

MYOSOTIS DISSITIFLORA. Very early, large deep blue flowered variety. Pkt. 10c.

Nasturtium

TALL VARIETIES

Any of the following 10c per pkt., 15c per oz., ¼ lb. 50c, except where noted.

ATROPURPUREUM. Crimson.

CHAMELEON. A splendid mixture, produces different colored flowers on a plant. Ours is the true strain and extra selected.

COCCINEUM. Bright scarlet.

JUPITER. Best and largest yellow.

KING THEODORE. Rich deep red, dark foliage.

LUTEUM. Yellow.

PEARL WHITISH, also called "Moonlight."

SCHULTZI, Dark Scarlet, very dark leaved.

VESUVIUS. The most gorgeous Apricot shade.

IVY LEAVED. Mixed.

KING OF THE BLACKS. Black-brown.

FINEST MIXED. 1 lb. \$1.50.

DWARF VARIETIES

Any of the following, pkt. 10c; oz. 15c; ¼ lb. 50c.

AURORA. Deep chrome yellow blotched carmine.

CHAMELEON. Mixed new.

BEAUTY. Blotched canary.

CRYSTAL PALACE GEM. Sulphur, spotted maroon.

CLOTH OF GOLD. Scarlet, yellow foliage.

DARK CRIMSON. Rich color, green foliage.

EMPRESS OF INDIA. Deep crimson, dark-leaved.

KING OF TOM THUMBS. Scarlet, dark-leaved.

KING THEODORE. Rich red, dark bluish foliage.

LADYBIRD. Golden yellow, barred with ruby crimson.

PEARL. Whitish.

QUEEN OF TOM THUMBS. Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage, and is strikingly handsome and useful for cutting or pot culture.

IVY LEAVED MIXTURE. Deep green leaves of distinct Ivy-form. The flowers are beautifully fringed at the edges of the petals and at the throat. 1 oz. 15c.

Nemesia

NEMESIA STRUMOSA SUTTONII. A new flower of recent introduction with remarkable colorings and delicate shades of buff, orange, pink, etc., beautifully hued, blotched and striped. Grows 9 to 15 inches high and is perfectly hardy here; plant in early spring in seed bed and transplant. Blooms in 3 to 4 months. Pkt. 25c.

NEMESIA COMPACTA. Triumph. A new Nemesia growing 6 to 8 inches. Of clear blue shade; fine for borders; by some considered equal to Lobelia. Pkt. 25c.

NEMESIA COMPAETA. Triumph. A new dwarf variety which comes in a great variety of bright colors. Should be planted in early spring for best results. Pkt. 25c.

Nemophila

NEMOPHILA INSIGNIS. Baby Blue Eyes. A California native of great merit for sowing broadcast in shrubbery or in bulb beds. Pkt. 10c; oz. 25c; lb. \$2.50.

NEMOPHILA INSIGNIS. Mixed colors. Pkt. 10c.

Nigelia

NIGELIA (Love-in-a-mist). An old garden favorite. Pkt. 10c.

Oenothera

OENOTHERA. Evening Primrose. Annual varieties. Mixed. Pkt. 10c.



M. & S. GIANT PRIZE PANSIES

Pansies

Our Pansies are the best strain we can secure and our many years' experience with this plant assists us in selecting the best sources for our supply and the blending of varieties for our many mixtures. We have exhibited these at many shows and believe there are none to surpass them in size and beauty.

Cultural directions. Plant the seed in July and August under cloth cover, for fall and winter blooming; or in late fall for spring flowering. The seed should be covered very lightly, not over ¼ inch, and kept cool and damp. When large enough, transplant.

MORRIS & SNOW SUPERB GIANT PRIZE PANSIES. A distinct new type of Pansies of greatest merit. The flowers are of giant size and are borne in profusion—well-grown they measure 3 to 3½ inches across—and they have a most gorgeous effect, many being blotched, spotted, marbled, veined, striped and blended with colors passing through reds, rose, pink, white, purple, in beautiful and indescribable variegation. Mixed colors ¼ oz. \$1.00; 1 oz. \$8.00. Pkt. 25c.

MASTERPIECE GIANT RUFFLED PANSIES. A remarkable strain of Giant Pansies, the flowers of which are so large and full that the broad petals seem to be "gathered" to the stem, causing them to be undulated and fluted from center to circumference, not unlike "frilled velvet." The flowers are extraordinarily large and are borne on strong stems well above the foliage; they are all five-blotted on the "Odie" pattern, and contain rich combinations of coloring. The plants are vigorous and large, and flower abundantly. Mixed colors. ¼ oz. 60c; oz. \$5.00; pkt. 25c.

PANSY NEW GIANT ORCHID. This is a larger strain than the regular Orchid fl., coming in Bronze, Terra Cotta, Delicate Orchid shades, Pink and Lavender colors. The great florists strain. Pkt. 25c; ¼ oz. \$2.00.

PANSY, Steele's New Mastadon. An extremely large strain of grand colors. An elite mixture. This strain is grown in Oregon and the past season proved of great merit in our trials. We recommend it as equal to any European strain. Pkt. 25c.

IN NAMED AND SEPARATE COLORS

Last season our strains of Pansies were praised above everything grown for the market. Pkt. 10c; ¼ oz. 60c.

GIANT AZURE BLUE. Light blue.

GIANT FIRE KING. Bright red and yellow.

GIANT INDIGO BLUE.

GIANT MAD. PERRET. Wine shades on white ground. Very fine.

GIANT CARDINAL. Brilliant red.

GIANT KING OF THE BLACKS.

GIANT LORD BEACONSFIELD. Purple, shading to lavender.

GIANT PURE YELLOW.

GIANT PURE WHITE.

GIANT WHITE. With eye; white flowers with large, deep violet spots on each of the lower petals.

GIANT YELLOW. With dark center.

GIANT GOLDEN QUEEN. Pure yellow.



GIANTS OF CALIFORNIA PETUNIA

Petunias

Once fairly started, the Petunias grow almost as easily as weeds and furnish bloom the entire year. The seed of the Double and Giant-flowered Petunias is made expensive by the great amount of labor involved in hand-fertilization, and it is well to handle seed and tiny seedlings with some care. Sow in beds or boxes of fine soil, and cover with sacking, cloth or glass at any time of the year. The common varieties may be sown broadcast where they are to grow. The seed of the double varieties has not so much vitality as that of the single sorts and needs a little more care in watering to be sure of germination. We have no better plants for borders, window-boxes, baskets and vases. They will grow in almost any soil and bloom profusely through long droughts. The newer varieties are of very brilliant colors.

PETUNIA GIANTS OF CALIFORNIA. A superb strain of single large flowered giants, ruffled and fringed. Pkt. 25c.

PETUNIA. Large flowered double fringed. Very fine. Pkt. 50c.

PETUNIA HYBRIDA. Mixed. Pkt. 10c.

PETUNIA HYBRIDA. Compacta. A dwarf variety. Mixed. Pkt. 10c.

PETUNIA HYBRIDA. Inimitable Howard's Star. Pkt. 10c.

PETUNIA ROSY MORN. A dwarf variety with rose colored flowers. Pkt. 10c.

PETUNIA. Carmen Sylvia. Violet with white throat. Pkt. 10c.

PETUNIA. Large flowered double mixed. Pkt. 25c.

PETUNIA. Single Red. Pkt. 10c.

PETUNIA. Single Rose. Pkt. 10c.

Pentstemon

PENTSTEMON. Very ornamental plants that make a splendid effect in borders, or beds. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in cool, shady hed and transplant. Perfectly bardy in almost any situation.



PENTSTEMON

PENTSTEMON GLOXINOIDES. "Sensation." The very large gloxinia shaped flowers vary from pure white, pink and rose to mauve and purple including many which are frilled and spotted. Hardy perennials about two feet high which can be highly recommended for beds and borders. Pkt. 10c.

Phacelia

PHACELIA CAMPANULARIA. Annual of great merit, very hardy and most valuable on account of the beautiful bright blue flowers which are borne in clusters. Fine for cutting. Pkt. 10c.

Phlox—Drummondii

GRANDIFLORA
(Flame Flower)

The Annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon heds of contrasting colors. Few flowers are so easily grown from seed—and if given good soil and care can be grown throughout the year—and do as well in winter as any of our bedders.

LARGE FLOWERING

The large-flowering kinds are a decided improvement on the Common Drummondii, producing flowers twice the size of the latter, in the most brilliant colors imaginable.

ALBA. Pure white, extra large.

INTENSE SCARLET.

ROSY CARMINE. White eye.

VIVID CRIMSON. Large white eye.

LARGE YELLOW. A very fine color, quite novel and distinct; fine flower.

STELLATA SPLENDENS. Clearly defined white star, contrasting strikingly with the vivid crimson of the flowers.

ALBA OCULATA. Pure white, claret eye.

DARK SALMON-ROSE.

Any of the above, per pkt. 10c.

LARGE FLOWERING PHLOX IN SPLENDID MIXTURE. Including all the above shades and colors. Pkt. 10c.

PHLOX. Large Flowering Dwarf Snowball. A fine white. Pkt. 10c.

PHLOX. Large Flowering Dwarf Firehall. A deep scarlet. Pkt. 10c.

PHLOX DECUSSATA. The Perennial Phlox. Planted early in season, blooms first year, and after hlooming cut stem down and they frequently hloom again the same year. Pkt. 15c.

Platycodon

(CHINESE BELL FLOWER)

One of the best hardy perennials, producing very showy flowers the whole season. They form large clumps and are excellent for planting in permanent horders or among shrubbery, easily raised from seed, which begins hlooming in August if sown outdoors in April.

PLATYCODON (Balloon Flower, or Japanese Bell-Flower). Are closely allied to the Campanulas, and form neat, branched bushes of upright habit.

GRANDIFLORUM. Large steel-blue flowers. Pkt. 10c.

ALBUM. Pure white variety. Pkt. 10c. Mixed. Pkt. 10c.

Poppies

(ANNUAL AND PERENNIAL)

POPPY, ICELAND (Papaver Nudicaule). A hardy perennial blooming first year. Produces beautiful single flowers on slender stems in colors of white, yellow, deep orange, chamois, etc. Mixed. Pkt. 10c.

GIANT SHIRLEY. A great advance in single-flowering annual poppies. The flowers are immense, often measuring 3 to 5 inches across, the petals are fluted and crinkled and in the sunlight appear like ruffled satin. The plants are well branched, about 24 inches high, and they bloom in continuous succession for weeks. In color they run every conceivable shade from light pink to dark crimson, many of them splashed, striped, dotted and edged. Pkt. 10c; oz. 25c.

A New Shirley Poppy of Merit

POPPY SHIRLEY. "American Legion." This new single Shirley is a dazzling orange scarlet of enormous size, borne on long stout stems. The plants are of very erect robust growth. Pkt. 15c.

POPPY. The Flanders. An old species, but with new meaning, as it grows in the fields of Flanders and to "our boys over there" were the only bright thing to be seen. Pkt. 10c; oz. 40c.

POPPY. Double Cardinal. One of the most showy varieties grown; large flowers; 4 to 6 inches across, and when cut before bud opens lasts for days; color is a rich deep pink; no trace of Magenta—plants are semi-dwarf (about 3 ft.), and very robust. Pkt. 10c; oz. 40c.

NEW GIANT ORIENTAL POPPIES. Among hardy perennials these hold an unrivaled position for gorgeous effectiveness in gardens and hardy borders; height 2 to 3 feet; flowers immense, often 6 inches across. Colors salmon, fiery-scarlet, rose, lilac and copper, pink, purple, blood-red, black, orange, etc. Mixed colors. Pkt. 10c.

POPPY DANEBROG. A brilliant scarlet with white center. Pkt. 10c; oz. 25c.

POPPY MIKADO. Double white with deep rose edge. Pkt. 10c.

POPPY MISS SHERWOOD. A pure satiny single white. Pkt. 10c; oz. 10c.

POPPY ADMIRAL. Large single white with scarlet edging. Pkt. 10c.

POPPY. Double Shirley. Improved fancy strain called Ranunculus Poppy on account of their striking resemblance to that flower. The lasting qualities are very good. Pkt. 10c; oz. 25c.

POPPY TULIP (Glaucium). A large single flower of vivid scarlet, very bardy and good for sowing in fall and winter. A bed of these makes a gorgeous sight. Pkt. 10c; oz. 25c.

POPPY. "Carnation." A tall class of double flowered Poppies. Pkt. 10c; oz. 25c.

POPPY. Giant English Scarlet. A fine new scarlet flowered single, fine for hedding. Pkt. 10c; oz. 25c.

Poinsettia

POINSETTIA. Perennial plant reaching at times the proportions of a tree and producing the well known Christmas hlooms. Suitable to climates similar to California. 5 seeds 10c.

Portulaca

PORTULACA. "Moss Rose." Is most desirable for borders or parkways, as it stands great heat and drouth; must not be sown till warm weather. Giant flowered. Double mixed. Pkt. 10c. Single mixed. Pkt. 10c.

Primula

(PRIMROSE)

The charming and beautiful Chinese Fringed Primroses and ohonica varieties are indispensable for winter or spring decorations in the home or conservatory. They are one of our most important winter-hlooming pot plants. The seed we offer is of the highest merit, and has, as usual, been saved from the best strains of English and Continental growth. Florists and others report that they have never seen finer flowers than those produced from our seed. Sow in January, February, March, April or May. The hardy varieties are also deserving of wide cultivation.



POPPY GIANT ORIENTAL

PRIMULA CHINENSIS FIMBRIATA. Choicest mixed. This mixture contains nothing but the finest fringed free-flowering sorts, and cannot fail to give entire satisfaction. Pkt. 25c.

PRIMULA CHINENSIS FIMBRIATA. (Named Varieties.)

Orange King	Delicata (Pink)
True Blue	Mixed
Giant Salmon	
King George (Crimson)	
Pkt. 25c	

OECONICA GRANDIFLORA. Hybrida. A profuse bloomer, bearing on long stems, heads containing 10 to 15 flowers. Mixed colors. Pkt. 25c.



PRIMULA (PRIMROSE)

OECONICA GIGANTEA FIMBRIATA. Hybrida. Fringed variety. Mixed. Pkt. 50c.

PRIMULA MALACOIDES ROSEA (Baby Primrose). This is the freest-flowering primula we know of. The little plants throw up tiny flower stalks when only a few weeks old. These should be pinched off and the plants kept growing until October, and from then on until late in spring they produce their sprays of beautiful rosy-lilac flowers in seemingly never-ending profusion. Pkt. 25c.

PRIMULA JAPONICA (Japanese Primrose). These are not so well known as they deserve; they are of free growth, with dark green foliage, and throw up in late spring innumerable stems of large flowers, varying in color from pure white to rich crimson. They succeed under the same conditions as the common hardy Primroses, and are also useful for forcing under glass, making beautiful pot plants. Pkt. 15c.

VULGARIS (English Primrose). Flowers fragrant, canary-yellow color. Pkt. 15c.

PRIMULA ELATIOR. Showy, early spring, free-flowering plants, fine for either pot or outdoor culture; hardy perennial. Mixed. Pkt. 15c.

PRIMULA OFFICINALIS. A beautiful hardy spring-flowering perennial. Very fragrant. Mixed colors. Pkt. 15c.

PRIMULA KEWENSIS. Pure yellow. Very desirable for out-door culture. Pkt. 25c.

Pyrethrum

(FEVERFEW)

The Pyrethrum is the plant from which is manufactured the many brands of insect powders—such as Dalmatia, Buhach, Persian Insect Powder, etc.—according to the company making same. The P. Roseum is the principal variety used, and a few plants of this in the garden is recommended.

Too much cannot be said in favor of this grand, hardy perennial, which will thrive in any good garden soil where there is good drainage and full exposure to the sun. Their main season of blooming is in June, but if the old flower stems are removed they will give a fair sprinkling of flowers in the autumn. The blooms range in color from pure white and the various shades of pink and red to deep purple. Splendid for cutting, lasting a week in good condition.

PYRETHRUM ROSEUM. Single mixed. Largely used for cutting like Margarets. 10c pkt.

PYRETHRUM ROSEUM. Double mixed. Pkt. 25c.

PYRETHRUM PARTHENIFOLIA. Golden Feather. Largely used for border around beds. Light yellow foliage. Pkt. 10c.

Rehmannia

REHMANNIA ANGULATA (Perennial Calceolaria). A hardy perennial, introduced from China a short time ago. It is a very decorative plant in the true sense of the word, and is well adapted for beds or pot culture. The flowers, which are rose purple with a white throat, spotted with red are produced in great abundance during the entire summer, and are valuable as cut flowers. We offer here some fine new tinged and striped hybrids. Per pkt. 25c.

Rhodanthe

RHODANTHE MACULATA. One of the finest everlasting flower similar to acroclium but of a pendant habit giving the appearance of little pink bells. The center is yellow with a small black ring which makes the flower very effective for everlasting bouquets. Pkt. 10c.

RICINUS ZANZIBARIENSIS (Castor Oil Bean). A new variety with immense leaves and stems of a reddish color, producing a very tropical effect.

Roselle

OR LEMONADE PLANT

HIBISCUS SABDARIFFA. Jamaica Indian Sorrel. This is the plant that furnishes the "Roselle Hemp" of the Madras Territories where it is called Roselle. In the West Indies it is used for making cooling drinks and jellies. Pkt. 10c; oz. 65c.

Salvia

(SCARLET SAGE)

SALVIA SPLENDENS or scarlet sage, is a standard bedding plant that keeps the garden bright with color all year through. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes and is useful for cutting to give color. Its best use, however, is as a hedge or border plant, where long, broad bands of intense color are desirable. Seed should be sown in bed or box and transplanted when large enough. Pkt. 10c; ¼ oz. 75c.

CLARA BEDMAN (Bonfire). The plants form handsome globular bushes about 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of a most brilliant dazzling scarlet. Pkt. 10c.

SALVIA PRECOX. New dwarf, large flowered, early blooming scarlet sage. Much more dwarf in habit than most others and commences to bloom when only 4 to 6 inches high; flower heads are large and of brilliant scarlet. Pkt. 10c; ¼ oz. 50c.

SALVIA ARGENTEA. Silver foliage, pkt. 10c.

SALVIA FARINACEA. Light blue. Pkt. 10c.

SALVIA PATENS (Perennial). Flowering first year from seed and succeeding well in partially shady place. A beautiful shade of blue. Pkt. 10c.

"BLUEBEARD." This is a very attractive bedding plant growing to 3 ft. high. Every part of plant is of clear deep blue, making a very attractive show in beds—this is best treated as an annual, blooming quickly from seed. Pkt. 15c.

Shamrock

SHAMROCK. The true Irish clover used for centuries for decorating on the 17th of March, St. Patrick's Day. Grows as readily as clover. Pkt. 10c.

Scabiosa

SCABIOSA JAPONICA. New hardy perennial Scabiosa from Japan, forming large bushes 2½ to 3 feet in height and breadth, with elegant light green foliage. Flowers 1 to 2½ inches across on long wiry stems from 15 to 20 inches in length, of a beautiful mauve or lavender-blue. The plants, extremely free-flowering, produce their lovely flowers continuously from the end of June until late in the autumn. Pkt. 10c.

SCABIOSA MAXIMA. The "Sweet Scabious" or "Mourning Bride" of old gardens, but much improved in size, colors and doubleness. Many of the flowers measure 6 to 9 inches in circumference, are double to the center, and have long stems. They are very free bloomers, very effective for garden decoration, and as a cut flower are invaluable. Height 2 to 3 feet.



SCABIOSA—PEACH BLOSSOM

Two New Scabiosas

SCABIOSA SHASTA. A pure white flower of enormous size measuring three and a half inches across and with extremely long stems. New and a great improvement over the old. Pkt. 25c.

SCABIOSA PEACH BLOSSOM. A beautiful shade of Peach Blossom Pink. Enormous size and long stems making it an excellent cut flower. Pkt. 25c.

SCABIOSA—New Silver Lavender. A great improvement on the old lavender, in fact one of the grandest of all the class; clear color without any trace of rose. Pkt. 10c; oz. 50c.

SCABIOSA. Large flowering double.

White	Purple
Scarlet	Yellow
Rose	Cherry Red
Mixed	Pkg. 10c.

Salpiglossis

GIANT EMPEROR. This strain is a very great improvement on the older type in its increased size of flowers, their improved shape and larger variety of colors, and more than all else in their singularly beautiful veinings of gold. Separate colors. Pkt. 10c; ¼ oz. 35c.

Crimson and Gold	Rose and Gold
Dark Scarlet	Scarlet and Gold
Black (very dark)	Violet and Gold
Dark Red	Yellow
Mixed	Pkt. 10c

Schizanthus

SCHIZANTHUS (Butterfly Flower). An easily grown plant, bearing quantities of gay, butterfly-like flowers, closely resembling some species of Orchids. For winter blooming in pots the Schizanthus is one of the most desirable of all flowers.

SCHIZANTHUS RETUSUS. This is a class of Schizanthus offered by us for the first time this season. The plants will make a growth of from 2½ to 3 ft. and the flowers (which are borne on long stems making it very desirable for cutting purposes) are large—differently marked and spotted than those of S. Wisetonensis.

Alba	White
Rosamond	Delicata Rose
Mixed	Pkt. 15c.

Shasta Daisy

The well-known perennial daisy with large white single flowers borne on long stiff stems.

ALASKA. Flowers very large, pure white. Pkt. 10c.

SNAPDRAGONS. See Antirrhinum.



SHASTA DAISY—ALASKA

Solidago

SOLIDAGO CANADENSIS. Golden Rod, an old garden favorite. Pkt. 10c.

Solanum

SOLANUM HENDERSONI (Jerusalem Cherry). Thousands of these plants are used at the holiday season for decoration. They bear in great profusion, berries about the size of a small cherry and of an orange color. Pkt. 10c.

Stachys

STACHYS ALPINA. A perennial plant resembling Dusty Miller; thick and hairy leaf. Fl. dark rose color; fine bedding or edging plant. Pkt. 10c.

STACHYS LANATA. A fine silver leaved plant; fine for edging or border. Hardy perennial. Pkt. 10c.

Statice

SINUATA. An everlasting flower which is increasing in popularity. The plants throw large sprays of flowers which may be dried and make fine winter bouquets. It may be planted both in the spring and late summer. The seed should be kept quite moist until germinated.

Bright Yellow	Mixed
White	New Rose
Blue	

Pkt. 10c each.

CASPIA. A new variety having lovely blue minute flowers borne in long sprays, which is much used to mix with other flowers because of its dainty graceful effect. Is a hardy perennial flowering during the summer and early fall. May be dried as an everlasting flower and becomes white when dried. Seed may be planted in the spring or fall. Pkt. 10c.

LATIFOLIA. This variety produces large branching sprays of minute lavender-blue flowers that are invaluable for cutting. May also be dried and used with everlasting flowers. A perennial. Pkt. 10c.

SUWOROWII. Spikes of pink flowers make this variety attractive for pot culture as well as garden growing. Pkt. 10c.

PEREZI. A hardy perennial. The leaves are large and glossy and the flower stalk grows to a height of 2 feet or more above the leaves and is crowned with a mass of small violet blue flowers. This variety is popularly grown among shrubbery and as specimen plants. Pkt. 10c.

Stevia Serrata

STEVIA SERRATA. This is one of the finest cut flowers for making bouquets and is used by florists in great quantities. It makes a growth of 3 to 5 feet, and produces innumerable small white flowers similar to gypsophila which have exceptional lasting qualities when cut. Pkt. 10c.

Stokesia

STOKESIA CYANEA. The hardy blue "Cornflower Aster." This beautiful hardy perennial plant is not so well known as it deserves to be. No garden, large or small, should be without it. It is of the easiest culture, blooming the first year from seed, and succeeding in any open sunny position. The plants grow from 12 to 15 inches high and begin flowering in July, continuing late in October, rendering them highly valuable for cutting, supplying a shade of color not over plentiful at any season of the year. Pkt. 10c.

Streptosolon

STREPTOSOLON JAMESONI (Madame Modjeska Heliotrope), (Browallia). Very largely grown in Southern California as a half climbing shrub and is quite common in Pasadena gardens. Deep orange yellow, and blooms in great profusion. Pkt. 10c.

Stocks

These are among the most popular of all winter blooming flowers. By planting in early summer they will bloom through the winter, or planted in late fall they will bloom through the summer. The Giant Imperial Stocks (Bismarck) require about four months to come to perfection, but the Brompton stocks require about seven or eight months, and are both quite hardy in this climate either for summer or winter. Seed should be planted in bed or box, and transplanted and kept in the best of growth to induce double flowers. In transplanting, do not pick out the strongest growing plants, as these frequently turn out to be single ones.

GIANT IMPERIAL (Bismarck) have in our estimation displaced the old fashioned Nice type because they are superior to them in every way. They grow from twenty-four to thirty inches tall, are very early and yield a very high percentage of double. This is the kind used for market.

Blush Pink	Chamois
Flesh Pink	Lavender
Fiery Blood Red	Dark Blue
Rose	White

Mixed or Separate Colors, pkt. 10c; $\frac{1}{8}$ oz. 40c; excepting where otherwise noted.

Stocks—(Nice Strain)

"CUT AND COME AGAIN"

ABUNDANCE. The best deep pink. Pkt. 15c; $\frac{1}{8}$ oz. 55c.

ALMOND BLOSSOM. White tinted carmine.

BEAUTY OF NICE. Flesh.

BELLE OF NAPLES. Old rose.

COTE D' AZURE. Light violet blue.

CRIMSON KING.

DARK BLUE.

DEEP LILAC.

EMPRESS AUGUSTA VICTORIA. Silver lilac.

ETINCELANTE. Red.

GOLDEN GERB. Champagne.

GOLDEN SHEAF (New). Chamois shaded rose.

HEATHAM BEAUTY (New). Rosy mauve shaded Terra Cotta.

LIGHT VIOLET.

MONT BLANC. White.

MONT CARLO. Canary yellow.

MAD. RIVOIRE. Earliest white.

SUMMER NIGHT. Deep violet blue.

SOUVENIR DE MONACO. Bright ruby red.

SNOWDRIFT.

VIOLET DE PALMA. Light Violet.

WHITE LADY (New). Fine white.

MIXED OR SEPARATE COLORS. Pkt. 10c; $\frac{1}{8}$ oz. 40c; excepting where otherwise noted.



STATICE CASPIA

LARGE FLOWERING TEN WEEKS' STOCK. Growing about 1½ ft. high, of very compact growth. Largest of flowers, with very small percentage of singles. This is an excellent strain for bedding. We have the following colors. Pkt. 10c; ½ oz. 40c.



STOCKS GIANT IMPERIAL

Crimson	Pure White
Purple	Rose
Yellow	Light Blue
Mixed	Lavender

STOCKS, Brompton or Winter Flowered. The largest flowering of all the stocks, but requires 8 to 10 months to bloom from seed. We have this superb variety in the separate colors as follows at 10c per pkt., 3 for 25c; ½ oz. 50c.

White	Lavender
Bright Rose	Fine Mixed
Pink	

Swainsonia

SWAINSONIA. This is an Australian plant of the pea family, growing 2 to 3 ft. high and forming quite a compact bush. Perennial.

SWAINSONIA WHITE. Pkt. 10c.

SWAINSONIA ROSEA. Pkt. 10c.

Sweet William

(DIANTHUS)

The old popular garden favorite. This should be planted before October 1st in order to bloom the following spring as it is a perennial and will not bloom the first year.

SWEET WILLIAM. New Giant, annual early flowering hybrid, blooming 3 to 4 months from planting. Among many flowers of recent introduction there are none that have attracted more attention than this wonderful novelty. A true hybrid cross between the old Barbatus or Sweet William and Dianthus Lacinatus (or Annual Pink), and possessing a wonderful range of colors. Pkt. 10c.

SWEET WILLIAM. Fine single mixed 10c pkt.

SWEET WILLIAM. Fine double mixed. 10c pkt.

Thalictrum

THALICTRUM DIPTEROCARPUM (Perennial). A new introduction of great promise, especially as a cut flower for florists use. It throws up slender stems, 2 to 3 feet high with loose sprays of small bell-shaped flowers of a beautiful shade of rosy mauve, which when cut, keep for a remarkably long time. Pkt. 15c.

Trollius

TROLLIUS. "King of Buttercups" or Royal Buttercup, or Globe flower. A most beautiful species of hardy perennial. They are rather slow to grow from seed, but are well worth the time and trouble. The plant strongly resembles the perennial Delphinium but seldom grows over 18 in. high. Treat same, but some shade would be better, and even close to water, as they love boggy soil. New Hybrida. Pkt. 15c.

Verbenas

This is one of our finest hardy bedding plants, easily grown from seed.

The seed should be sown in seed beds, and when large enough transplant to permanent place. Cover the seed very lightly, and cover bed for a couple of weeks with cloth or sacking, or cover the bed with a few branches to shade the ground.



VERBENA—GIGANTEA

VERBENA GIGANTEA. A new improved strain producing large umbels made up of florets each measuring an inch across. We have these in the following colors: Pkt. 15c; ¼ oz. 65c.

V. GIG. FIREFLY. Scarlet with eye.
V. GIG. LUCIFER. Vivid scarlet.
V. GIG. MAYFLOWER. Clear pink.
V. GIG. PURPLE MANTLE. Purple.
V. GIG. STELLATA VIOLACETA. Violet with eye.

V. GIGANTEA. Mixed.

VERBENA MAMMOTH:

Scarlet Defiance. Purple.
Italian Striped. White.
Auriculaeflora. Pink.
Mixed or separate colors, pkt. 10c.

Vinca

VINCA ROSEA. A splendid little bedding plant well worth growing; blooming all season. Pkt. 10c.

Vittadinia

VITTADINIA TRILOBA. A beautiful small growing trailing plant for borders or rock work. Perennial with rose pink flowers. Nice for mixed bouquets. Always in bloom. Pkt. 10c.

Viola Cornuta Hybrida

ADMIRABILIS. The Tufted Pansies, or Violas, are rapidly coming to the front. A plant between the violet and pansy. Greatly improved of late until it has become one of the great European bedding plants. Blooms all the year around. Very much more hardy than the pansy. We have secured the following from European specialists:

Viola Cornuta. Yellow.
Viola Cornuta. Papilio, Blue.
Viola Cornuta. White.
Pkt. 10c.

Woodruff

WOODRUFF—See Asperula.

Xeranthemum

XERANTHEMUM. An everlasting flower largely grown for the market. Very attractive for bouquets. Mixed. Pkt. 10c.

Wild Flower Mixtures

CALIFORNIA NATIVE WILD FLOWER MIXTURE. This includes most of the above species; in fact, all of our natives that grow and thrive with little trouble. Pkt. 10c; oz. 50c; lb. \$5.00. For larger quantities ask for quotations.

CALIFORNIA NATIVES. For shade or partial shade. Pkt. 10c; lb. \$4.00.

WILD GARDEN MIXTURE. While this mixture is not composed of native flowers alone, it is made up especially for our California conditions, and will give a longer duration of flowering than strictly natives. Pkt. 10c; oz. 25c; lb. \$2.50.

NOTE CULTURE DIRECTIONS FOR MIXTURES. First it is advisable to plow or spade plot and thoroughly harrow or rake up. Sow 4 to 6 lbs. per acre and again harrow or rake seed in, and if early growth is wanted it is best to thoroughly irrigate before plowing.



ARGEMONE (THISTLE POPPY)

Stocks

Giant Imperial or Bismark type. In colors, Rose, Lilac, Golden Ball, Blood Red, Dark Blue and Flesh Pink. 6 full packets for 75c.

M. & S. Pedigreed Sweet Peas

Sweet Peas grow well on any soil, except heavy clay or pure sand. Soak seeds in water until soaked up, but never soak white seed. Work the soil at least 18 inches deep, two feet is better, with plenty of rotten stable manure. Cow manure is the best. Use some lime and steamed bone meal.

Tramp the soil down firm and never plant in loose soil. Take the hose and water down to the base, let stand a few days until moderately moist, but NEVER PUT THE SEED IN TOO WET SOIL. Rake off the surface nice and smooth, make rows and drop seeds not over two inches deep and two inches apart. Rake off again. DO NOT WATER UNTIL ALL THE SEED IS UP AT LEAST HALF AN INCH OUT OF THE SOIL. (Nine-tenths of the failures are caused by watering too soon.) When the seed is all up give a good soaking about once a week. It is better to keep moisture below than on top.

When all the seed is up, then at least six inches apart, if out doors cover the rows with old strips of wire netting to protect the young plants from birds. All birds like the tender shoots when just out of the ground.

Look from the start for Green Aphis. They are the greatest enemy. When you discover any, spray a solution of BLACK LEAF 40 at the rate of one teaspoonful to one gallon of soapy water.

STANDARD LATE FLOWERING SPENCERS

These standard sweet peas need no introduction, as they have been in popularity for many years. Our seed is CALIFORNIA grown and we list below only the varieties which we consider the most desirable for out-door growing.

Late or summer flowering Spencer Sweet Peas should be planted during December, January, February for summer blooming.

FIERY CROSS. Cerise (Deep).
ILLUMINATOR. Cerise (Rose).
DEFIANCE (New). Cerise (Scarlet).
ROYAL SCOT. Cerise (Scarlet).
MATCHLESS. Cream.
MARGATER ATLEE. Cream Pink (Deep).
CRIMSON KING. Crimson.
ASTA OHN. Lavender (Rosy).
OTHELLO. Maroon (Dark).
TANGERINE IMPROVED. Orange.
GEORGE SAWYER. Orange (Pink).
ELFRIDA PEARSON. Pink (Pale).
HEBE. Pink (Rose, Deep).
IMPROVED HERCULES.
HAWLMARK SALMON PINK. Pink (Salmon, Deep).
ROYAL PURPLE. Purple.
SUNSET. Salmon.
HAWLMARK SCARLET. Scarlet.
WHITE KING. White.
MIXED.

Pkt. 10c; oz. 30c.

MARY PICKFORD. A new introduction of sturdy growth producing beautiful flowers of a dainty pink suffused with Salmon. Pkt. 25c.

M. & S. Early Flowering Spencer Sweet Peas

These sweet peas which in California can be planted the year around for a succession of blooms, are identical with the late Spencers except that they bloom earlier—90 days from sowing. They are some times called Winter or Christmas flowering, and are a comparatively new introduction. They are not quite as vigorous growers as the late Spencers, but their proportion of bloom is larger and we believe they will eventually displace the late Spencers in frostless climates or where the growing season is very short.

The list given below contains only those varieties which have been found the hardiest and most desirable in each color. Be sure to say EARLY FLOWERING SPENCER when ordering. Pkt. 15c; 90c oz. in colors; 75c oz. mixed.

GLITTERS. Cerise Orange.
AVIATOR. Crimson.
BLUEBIRD. Blue.
ROSE DORE. Rose Pink.
ZVOLANEK'S ROSE. Rose.



OUR NEW SPENCER SWEET PEAS

HARMONY. Lavender.
MRS. KERR. Orange Salmon.
ELDORADO. Orange.
AMETHYST. Purple.
COLUMBIA. Pink and White.

OTHELLO. Maroon.
GRENADIER. Scarlet.
CREAM. Cream.
IMPROVED SNOWSTORM. White.
MIXED.

COLLECTION NO. 1

One packet each of any eleven of above Late Spencer varieties including "Mary Pickford." Value \$1.25 for \$1.00.

COLLECTION NO. 2

One packet each of any nine of above Early Spencer varieties. Value \$1.35 for \$1.00.

Collections are not included in our coupon order blank offer.

M. & S. Pedigreed Zinnias

The public would hardly recognize the old-fashioned flower in this new guise. The plants of this type produce many flowers of colossal size whose broad petals are closely imbricated and resemble a show dahlia.

The large size, fullness of petals, extraordinary range of colors and wonderful keeping qualities make this flower a joy in every garden.



ZINNIA—NEW DAHLIA FLOWERED

IMPROVED DAHLIA FLOWERED ZINNIAS

EXQUISITE. By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. (Tyrian Rose).

OLD ROSE. This is adequately described by its name, as it is of the real Old Rose Shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.

ILLUMINATION. Similar to Exquisite, but a striking self color of deep rose. (Tyrian)

GOLDEN STATE. A very rich orange yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

CRIMSON MONARCH. By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

GIANT ATTRACTION. A distinct shade of brick red (Spectrum Red) which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

LEMON BEAUTY. This is next to Crimson Monarch in size and form. It may be described as a golden yellow on brown. Decidedly a pastel shade, and should be in every collection.

METEOR. A rich, glowing deep red (Spinel Red) and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds.

SCARLET FLAME. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

ORIOLE. We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

DREAM. A fine, deep lavender, turning to purple (Mallow Purple) a new, desirable shade in Zinnias.

PURPLE PRINCE. A fine, deep purple (Rhodanthine Purple) large and well-formed.

POLAR BEAR. A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

BUTTERCUP. An immense deep creamy yellow. A very desirable flower, which should be included in every collection.

CANARY BIRD. A delicate shade of primrose—very large and holds its color well until out of bloom.

The above separate colors 35c per pkt.

SPECIAL GOLD MEDAL MIXTURE. A well blended mixture containing all the above novelties. Pkt. 25c.

Double Giants

There have been great improvements made in this type both as to color and size, the individual flowers often measuring 5 inches across. We can offer the following shades in the following colors:

Apricot Orange	Salmon
White	Lavender
Blood Red	Purple
Bright Rose	Crimson
Buttercup	Cream
Burnt Orange	Orange
Pkt. 10c; 1/8 oz. 40c.	
Mixed	

Giant Mammoth Type

The Giant Mammoth Zinnia has smaller centers and more loosely placed petals than the old Giant type, thus presenting a pleasing appearance. The size of the flower has been notably increased over the Giant Plenissima. The petals are decidedly imbricated and the flower from bud to bloom assumes a succession of graceful forms.

This is the type of Zinnia which we introduced last year. It has proven remarkably satisfactory and we are again recommending it this year.

We have added several new colors this year, which should increase its popularity, especially for florists' use.

Cerise Queen	Orange Queen
Enchantress	Purity
Lemon Queen	Rose Queen
Miss Wilmott	Scarlet Gem
Orange King	Finest Mixed
Pkt. 15c; 1/8 oz. 50c.	

Pumila Double 18-in.

Extra double flowers produced on regular dwarf plants.

GOLDEN BALL.

PINK BALL.

FIRE BALL.

SALMON ROSE. A very pleasing and charming shade, especially prized by florists.

PUMILA MIXED. All colors.

Each of the above, pkt. 10c.

RED RIDING HOOD. 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. Pkt. 10c.

Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

SCARLET GEM.

WHITE GEM.

GOLDEN GEM.

LILIPUT MIXED. All colors.

Each of the above, pkt. 10c.

Special Collections

Five Packets Zinnias as follows:

- 1 Pkt. Gold Medal Mixed Dahlia Flowered
- 1 Pkt. Double Giant Mixed
- 1 Pkt. Giant Mammoth Mixed
- 1 Pkt. Pumila Double Mixed
- 1 Pkt. Liliput Double

Or any 3 pkts. Dahlia Flowered, separate color. Your choice. Value 75c for 50c.

Or 7 pkt. of any varieties of Double Giants, Pumila or Liliput. Your choice for 50c.

California and Mexican Native Flower Seeds

AQUILEGIA TRUNCATA. "California-Columbine." One of our best plants for shade. Fine for cutting. Pkt. 10c.

ARGEMONE PLATYCERAS. "Thistle Poppy." A very hardy, pretty poppy-like flower growing about 2 feet. Pkt. 10c; oz. 40c.

BARTONIA AUREA. "Blazing Star." (Mentzella). One of our prettiest natives. Grows 18 inches to 2 feet. Pkt. 10c; oz. 40c.

CLARKIA ELEGANS. A pretty little annual, growing 12 to 18 inches; quite hardy. Pkt. 10c; oz. 35c.

CALIFORNIA POPPY. See Eschscholtzia.

COLLINSIA BICOLOR. "Innocence." One of our most beautiful and curious annuals; delights in rich soil and will stand considerable shade. Pkt. 10c; oz. 40c.

DELPHINIUM CARDINALE. "Red Larkspur," or scarlet Larkspur, growing 3 feet to 6 feet; perennial; very beautiful and showy. Pkt. 10c; oz. \$1.00.

ERIGERON COULTERI. "Mountain White Daisy." A very pretty flower, growing 12 to 18 inches. Pkt. 10c.

ESCHSCHOLTZIA. (California Poppy.) The popular wild flower known by every one. Pkt. 10c; oz. 25c.

FLAERKEA (*Limenanthus*) **DOUGLASSI** (Meadow Foam). A beautiful little annual growing 12 to 20 inches. Pkt. 10c.

GILIA. Tricolor. "Bird's Eye." One of our most satisfactory wild flowers; easy of culture. Pkt. 10c; oz. 30c.

GODETIA GRANDIFLORA. "Farewell to Spring." Deep rose colored flowers; plants grow one to two feet; flowers are sometimes blotched with crimson. Pkt. 10c; oz. 50c.

HUNNEMANIA FUMARIAEFOLIA. Mexican Poppy. One of our most useful and beautiful flowers for cutting, clear lemon yellow (2 ft.) hardy perennial, blooming in about 3½ to 4 months. Pkt. 10c; oz. 40c.

LAYIA GLANDULOSA. "White Daisy." Annual 12 to 18 inches. White Daisy with yellow center. Pkt. 10c.

LAYIA ELEGANS. "Tidy Tips." "Yellow Daisy." 10 to 12 inches. Annual, a pretty yellow daisy with cream edging. Pkt. 10c.

LAVATERA ASSURGENTIFLORA. Shrub of *Hybiscus* family. Fine hedges. Pkt. 10c.

LEPTOSYNE MARITIMA (Sea Dahlia). Perennial, blooming early from seed, 2 ft. Pkt. 10c.

LEPTOSYNE STILLMANNI (*Coreopsis*). Single Daisy Dahlia. 2 to 3 ft. Perennial, making a fine cut flower. Pkt. 10c.

LIMNANTHUS DOUGLASSI. See *Flaerkea*.

LEPTOSIPHON DENSIFLORUS. (Calif. Phlox). We have this in white and lavender-rose. Pkt. 10c.

LUPINUS AFFINIS. "Blue Lupine." Annual 1 to 2 feet high. Flowers in large racemes, rich bluish purple. This is the finest of the annual lupines and when growing in large masses, it is particularly attractive. It reaches its greatest perfection on heavy soil. Pkt. 10c; oz. 35c.

NEMOPHILA INSIGNIS. "Baby Blue Eyes." Our finest blue flower, very hardy and blooms very quickly from seed. Fine for sowing as a wild border or among shrubbery. Pkt. 10c; oz. 25c.

OENOTHERA. "Evening Primrose" (Yellow). A fine showy plant. Pkt. 10c.

PENTSTEMON. *Spectabilis* Purple. Tall growing. Pkt. 10c.

PLATYSTEMON CALIFORNICA. "Cream Cups." Annual, 8 to 12 inches, cream colored daisy. Pkt. 10c.

PHACELIA WHITLAVIA. "White Canterbury Bell." Dark blue. Pkt. 10c.

ROMNEYA COULTERI. "Matilija Poppy." The famous Tree Poppy, large crepe white flowers with yellow center, often 8 to 10 inches across. Pkt. 10c.

SALVIA CARDUACEA. "Thistle Sage." Blue Sage. A queer sage-like, early flower, annual. Pkt. 10c.

Seeds of Climbing Plants

ADLUMIA (*Alleghany Vine*). A frail growing biennial. Treated as a perennial. Stands best in shade, and is a beautiful flowering climber. Pkt. 10c.

ABRUS PRECATORIUS. A charming climber, with blue flowers, followed by bright scarlet seed with black eye; largely used for beads. Pkt. 10c.

AMPELOPSIS VEITCHI. Japanese Ivy. Pkt. 10c.

ANTIGNON LEPTOPUS. (*Rosa de Montana*). Bears long racemes of small flowers of a beautiful shade of rose pink. Pkt. 10c.

ARISTOLOCHIA ELEGANS. (Dutchman's Pipe.) Pkt. 10c.

AUSTRALIAN PEA VINE. (*Dolichos Lig-nosus*). A very familiar plant with small foliage and small pink pea shaped flowers. One of the best perennial climbers we have. Pkg. 10c.

ASPARAGUS PLUMOSA. A useful climber for decorating. 10 seeds 10c. 100 seeds 75c.

BIGNONIA RADICANS. Trumpet Creeper. Pkt. 10c.

BALLOON VINE (*Love-in-a-Puff*). A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons and of great interest to children. Per. oz. 25c; pkt. 10c.

CANARY. Vine. Yellow flowers and light green foliage. Pkt. 10c.

COBEA SCANDENS. Probably the most rapid growing perennial climber we have. Flowers maroon. Pkt. 10c.

CYPRESS VINE. An old garden favorite for covering fences or out buildings. Pkt. 10c; oz. 25c.

GIANT CRIMSON DOLICHOS. Flowers at first blush pink deepening with age to dark red, followed by bronzy-purple seed pods; foliage, dark green with red veins; flower and leaf stems maroon. Pkt. 10c.

GIANT WHITE DOLICHOS. A white flowered form of above. Pkt. 10c.

GOURDS. See special list.

HUMULUS. Variegated Japanese hop. Pkt. 10c.



ESCHSCHOLTZIA—CALIFORNIA POPPY

IPOMOEA CARDINALIS. "Cardinal Creeper," "Jewel Vine." A strong climbing vine, cross between *Cypress Vine* and *Morning Glory*. Deep cardinal red; extremely showy; annual climber. Pkt. 10c.

JAPANESE CUCUMBER. Fine climber and frequently grown for its cucumbers where ground space is limited. Pkt. 10c.

LONICERA TARTARICA. (*Honeysuckle*). Rose. Pkt. 10c.

MANDEVILLA. (*Chili Jasmine*). Fine climber. Pkt. 10c.

MAURANDIA. White, purple and mixed. Pkt. 10c.

MINA LOBATA. Too much cannot be said in favor of this vine. To those who are looking for a very fast growing vine for quick covering this is undoubtedly the very best thing to answer the purpose. Planted in spring, by late summer it will have made a growth of 20 to 25 feet and in the fall will be literally covered with sprays of yellow and orange bloom lasting along into January unless touched by a very heavy frost. Pkt. 10c.

MORNING GLORY. A grand mixture of all colors. Pkt. 10c; oz. 25c.

MORNING GLORY. Purple-blue, a very strong grower. Pkt. 10c; oz. 25c.

MORNING GLORY. Heavenly blue. A beautiful color. Pkt. 10c.

MOON VINE. *Ipomoea Leari*. Perennial blue flowering vine, very fine for covering fences and buildings. Pkt. 10c.

SNAIL VINE. See *Phaseolus*.

PASSIFLORA-ROSEA (*Tasconia*). A very showy climber with rose colored flowers, growing to great height, and quite hardy; a constant bloomer and often producing edible fruits. Pkt. 10c.

PASSIFLORA. (*Passion Vine*). *Edulis*. Pkt. 10c.

TACSONIA (*Scarlet*). This makes an extremely rapid climbing vine and has very showy scarlet flowers of the *Passion flower* character. Most profuse bloomer. Perennial. A very attractive vine. Pkt. 10c.

SMILAX. A useful plant for decorating. Pkt. 10c.

PHASEOLUS CARACALLA. *Snail Vine*. A perennial of fair growth, with large, very fragrant flowers, resembling in form the shell of the snail which are borne in great abundance. The seed are very scarce and hard to obtain. Pkt. 10c.

WISTERIA. An old favorite; grows readily from seed but is slow to come into bloom. Pkt. 10c.

M. & S. Pedigreed Vegetable Seed

When wanting seeds in large quantities, please write for prices stating the quantity desired.

Use our coupon order sheet. It gives you \$1.25 worth for \$1.00.

Asparagus

CULTURE. Being a perennial asparagus should be planted where it will not be disturbed. If it is planted only for private use, the row or rows should be established at one side of the garden patch, where it will not be in the way when cultivating the other parts of the garden. Asparagus requires a deep, rich, cool soil heavily manured and thoroughly tilled. Plant seed in beds or rows; cover about 1 inch. Keep watered and weeded first year, and if too thick in bed thin out to two or three inches apart, and you get better roots. After one year's growth they can be transplanted to rows three to four feet apart and one foot apart in the row. Although two year old plants are preferable for transplanting they will then produce the following Spring. Cultivation should be done early in the Spring before the shoots start and in the fall after "cutting" is over. Cut the foliage off as soon as it begins to turn yellow and burn it so as to prevent rust getting started and also to get rid of the seed which if allowed to get onto the ground will be coming up all over the patch and be a nuisance. Cover with heavy dressing of manure during winter. It takes about 7,000 plants to set an acre or about two pounds of seed. An ounce will produce 300 good plants.

ROOT CULTURE. Work your ground well to a depth of one and a half feet. Level down, then furrow out four to six inches. Spread the roots in the bottom of the furrow setting the crowns a foot apart. Cover 4 to 6 inches with mixture of well-rooted manure and soil. Plant roots between December 1st and March 1st.

EARLY GIANT ARGENTEUIL. This is the famous Paris Specialty. The stocks grow to a mammoth size. When well grown some weigh 4 oz. The head is slightly pointed with a tinge of purple. It is early and very vigorous. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

CONNOVER'S COLOSSAL. Considered the best for market gardeners. Pkt. 10c; oz. 20c; lb. \$1.25.

PALMETTO. The leading and most popular variety for the home garden or market. The tender sprouts are green and its delicious flavor makes this variety the favorite for table use. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

ASPARAGUS PLANTS. Ready December to April of the following varieties postpaid to 4th Post Zone. Price 25c doz; \$1.50 per 100.

GIANT ARGENTEUIL. Giant white tipped green.

PALMETTO. Green. Smaller than the above but very popular variety.

Artichoke

CULTURE. Like Asparagus this is a perennial, so when planting one should put it where it need not be removed from year to year. Sow seed from January to June and transplant to permanent place when about eight inches high. Plant the seed one inch deep in well-worked, damp loam soil.

Artichokes do not come absolutely true from seed, some of the seedlings showing the original thorny type; however, when transplanting select only the plants showing the smoother leaves and discard the others. Set plants 4 to 6 feet apart.

SELECTED LARGE GREEN GLOBE. The standard variety. Pkt. 10c; oz. \$1.20.



GLOBE ARTICHOKE

PLANTS

ARTICHOKE—GREEN GLOBE. Sucker divisions. These are taken from flower producing plants of selected strains. These were original from the Bay region, grown here. Price suckers, rooted, 20c each; \$2.00 doz., postpaid.

Beans

BUSH

Prices Quoted Are Postpaid

Prices on beans are subject to market changes. Ask for prices on large quantities.

CULTURE. While beans are a tender plant and in most parts of the country they are essentially a summer crop, we find in Southern California that by using the Early and Hardy varieties, beans may be on the table from the last of May till well into December. Plant about two inches deep in well-prepared soil. Each bean should be about 2 inches apart in rows, 24 to 36 inches apart or in hills one foot apart, 3 or 4 seeds to a hill. Be very cautious and not cultivate deep after they begin to shoot up, especially after in bloom but keep surface well worked and clean of weeds. Dust with sulphur as they come into bloom and again in ten days or two weeks. This treatment prevents mildew and acts as an insecticide for Red Spider. At the first appearance of Aphis, spray with solution of Black Leaf 40.

One pound of Lima beans will plant 200 ft. of row; use 60 lbs. to an acre.

One pound of snap beans to 300 ft. row; use 40 to 50 lbs. per acre.

BURPEES' STRINGLESS GREEN POD. One of the best early varieties for Spring planting. Very prolific, round pod; can be planted early in March and up as late as September. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

CANADIAN WONDER. Flat pod; of good quality, a great favorite with gardeners, for luxuriant and continuous bearer. Plant during September and October, also in early spring. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

EARLY REFUGEE OR 1000 TO 1. Round pod; medium size, tender; very desirable for table and cannery. Should be planted during the mild season, neither too early nor too late. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

IMPROVED SIX WEEKS. The bean is yellow, but the pod is green. A strong, rapid grower and matures quickly. Flat pod; very desirable for early forcing. Plant early in March and during August and September. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

BLACK WAX. Round pod; straight, seven to eight inches long; very desirable for mid-summer; June to August. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

GOLDEN WAX. Long, flat pod; stringless; a rich golden wax. We believe superior to most of the Golden Wax varieties. April to August. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

VENTURA WONDER WAX. The "real wonder" indeed. The handsomest of all the early Wax Beans. The pods are long (7 inches), straight, very uniform and clear waxy white. The vines are vigorous, extremely prolific and rust resistant. The dry beans are clear, white and excellent for baking. The best market garden Wax Bean. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

POLE

Plant pole beans from March to August except the Creasback which may be planted during August. Pole beans make so much shade that as soon as damp, cool nights of Fall come on, the beans become affected by rust and mildew.

SCARLET RUNNER. Mostly grown as an ornament for covering fences or unsightly places; pretty clusters of scarlet flowers. Pkt. 10c; lb. 40c.



STRINGLESS GREEN POD

ASPARAGUS OR YARD LONG BEANS.

A very prolific pole bean of excellent quality, producing pods from 15 to 30 inches long, in great profusion. Pkt. 10c.

KENTUCKY WONDER. Long, round pod.

This is by far the most popular bean in Southern California, because here it is grown to perfection. Very prolific and all its merits make it one of the finest varieties grown. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

**FORDHOOK BUSH LIMA****WHITE SEEDED KENTUCKY WONDER.**

A pole bean of great merit, claimed to be a heavier producer and more resistant to mildew than the common Kentucky Wonder, of which it has a similar growth and appearance except that it has white seeds. It bears well into the Fall. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

KENTUCKY WONDER WAX. One of the most prolific beans grown. Commences to bear very early and continues to bear until killed by frost. A rapid grower and pods are solid and meaty; perfectly stringless, and when properly cooked are deliciously rich and buttery. April to August. By bail. 10c per pkt.; 35c per lb.; 10 lbs. \$3.00.

WHITE CREASBACK. An early silvery green bean, the pods maturing very evenly in clusters of from four to ten. A very good shipper. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

LIMAS, ETC.

Lima Beans are more difficult to get started than other beans but the mature plants are harder than the smaller podded varieties. Plant not earlier than April or later than August 1st, except in particularly favorable frostless locations.

Spray with Black Leaf 40 to control Aphis.

BURPEE'S BUSH. Very good but not equal to Burpee's Improved. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

FORDHOOK BUSH. This wonderful Lima is coming more into favor each year. It out-yields any Bush Lima yet offered. Best results are obtained by planting Fordhooks in hills, two feet apart in rows and the rows four feet apart. Its height is from twenty-two to twenty-four inches and it bears in clusters of two to five, well out from the plant on long spikes. There are from three to five beans in each pod, with an average of four. The seeds are round and thick, and have a mild, delicious flavor. This delicious bean is far ahead of anything which anybody has shown in Lima Beans up to the present time. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

THE "BURPEE-IMPROVED" produces magnificent crops of pods which measure from five to six inches long by one and one-quarter inches wide. As compared with Burpee's Bush Lima both pods and beans are very much larger. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid. Write for prices for quantities.

HENDERSON'S BUSH LIMA. The earliest of bush Limas. It is small in size, but of high table merit and favor with housekeepers on account of its delicious flavor and great productiveness. It bears until frost, and a small patch will supply a family. Postpaid, pkt. 10c; ½ lb. 20c; lb. 35c.

WINDSOR BROAD BEANS. A great favorite and a perfectly hardy variety being planted during the winter months, maturing in the spring. Pkt. 10c; lb. 30c, postpaid.

POLE LIMA BEANS

KING OF GARDEN LIMA. Beans of unusual size; quality perfect. Pkt. 10c; lb. 35c, postpaid; 10 lbs. \$3.00.

CARPINTERIA GREEN SEEDED LARGE LIMA.

The vine is very strong, of vigorous growth, with many large branches or runners, producing a great many fine pods which are closely filled with large beans. In shape the bean is similar to the Burpee's Improved. The pods contain from three to four beans. It is fine flavored and more tender when cooked than white seeded bean, and making it more pleasing to gardeners and housekeepers. It is the most perfect pole lima bean. Pkt. 10c; ½ lb. 25c; lb. 40c; postpaid.

MONSTROUS BUSH LIMA. This would better be called Monstrous Vining Lima because the runners often grow to twenty feet or more in length, producing clusters of enormous beans at each joint or node. Individual pods are from one and a quarter to two inches wide, containing beans larger than a fifty cent piece. The Monstrous Lima makes such a vigorous growth that it is not profitable to plant them closer than eight feet apart, thus it requires only four or five pounds of seed to plant an acre. It takes the Monstrous Lima about five months from seeding to time of picking, so it is advisable to get them planted at least by May first. They are excellent both as green, shelled or dry beans. Pkt. 10c; lb. 60c; 10 lbs. \$5.50.

**KENTUCKY WONDER**

LARGE LIMA. The beans are large and attractive. A very popular variety. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

Beets**TABLE VARIETIES**

CULTURE. Beets are an all the year round crop in Southern California. However some varieties do better at certain seasons of the year as one will see by reading the description of the varieties which we offer as being the best for local conditions. Sow in drills 12 to 15 inches apart and when 3 to 6 inches high thin out to 4 or 6 inches in the

**CROSBY'S EGYPTIAN BEET**

row. Beets should be grown in light rich loam soil well worked. Water once a fortnight during cool weather and once a week during the warmer months. One ounce will sow 100 feet of drill.

BLOOD TURNIP. Smooth round roots of medium size with dark red flesh, fine grain, very sweet, and retaining its deep coloring when cooked. Tops are small and of uniform growth, the leaf, stems and veinings being a dark red. It grows quickly and is of superior quality. Per pkt., 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

CRIMSON GLOBE. Crimson Globe has a smooth skin and very regular form. The flesh is a deep purplish crimson, sweet and tender. Plant during April, May and June. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.40.

EXTRA EARLY EGYPTIAN. One of the most popular on account of its beautiful appearance and excellent flavor. Plant from September to May. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

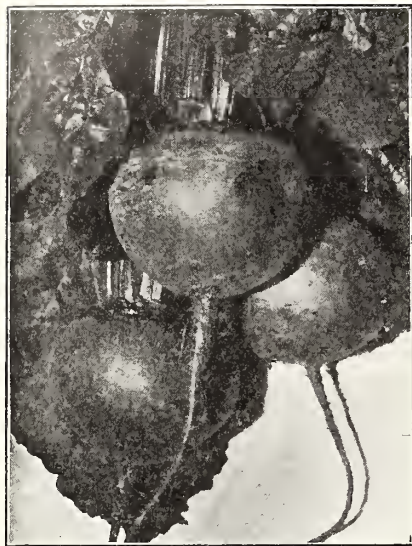
ECLIPSE. A good-shaped beet with large top; very tender and sweet and of fine texture. Especially good for planting for May to August. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

DETROIT BLOOD TURNIP. A grand beet for bunching for market; tops exceptionally small and upright; roots are perfect turnip shape with small tap roots. Color of skin, dark blood red; flesh bright red. Quality is of the very best sweet, tender and lasting. One of the best for the market gardener and the home garden. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

CROSBY'S EGYPTIAN. The earliest beet in the market. A selection from that standard market beet, Early Egyptian, which retains the earliness of the parent stock and has added thickness, giving it a more desirable shape. It is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. The most desirable sort for small beets for early market, as it is in presentable market shape quicker than any of the others. Selected stock. Plant from September to May. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

BEET—STOCK AND SUGAR

CULTURE. In Southern California plant during the fall and winter in drills from 18 to 24 inches apart. When plants have third or fourth leaf thin to six to eight inches apart in the row.

**BLOOD TURNIP BEET**

MAMMOTH LONG RED MANGEL. All stock eat it readily. This beet will resist alkali better than any of the other varieties. Pkt. 10c; oz. 10c; lb. 60c; 10 lbs. \$5.50, postpaid.

GOLDEN TANKARD MANGEL. Contains less water and more sugar than any other mangel. Pkt. 10c; oz. 10c; lb. 60c; 10 lbs. \$5.50, postpaid.

LANE'S IMPERIAL SUGAR. The heaviest cropping sugar beet, and the most profitable for stock farmers. Pkt. 10c; oz. 10c; lb. 60c, postpaid.

VILMORINS IMP. SUGAR. This variety is without question the best in cultivation; not the largest in size, but the richest in saccharine mater. Pkt. 10c; oz. 10c; lb. 70c, postpaid.

GIANT HALF SUGAR ROSE. This unites the large size of the mangel with the greater feeding value of the sugar beet. The roots average ten to twelve inches, and the outline is that of a broad thick wedge. The upper portions is of a soft bright pink, shading lighter toward the bottom where the lower portion for about one-third the length is white. The flesh is pure white, firm, crisp and very sweet. Highly recommended for stock purposes. Per pkt. 10c; oz. 10c; ¼ lb. 20c; lb. 60c, postpaid.

SWISS CHARD—SEA KALE

SWISS CHARD. Sown for its leaves only. Planted and grown same as beets, but the leaves are taken off like Rhubarb and cooked the same as spinach. Also used for poultry green, being more desirable than alfalfa. Plant any time of the year in Southern California. "An Asparagus all summer." There are few vegetables which require less care during their growth or yield more certain crops. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.35.

Take advantage of our special coupon order blanks in front and back part of catalogue. They allow you an additional 25 cents in seed packets or ounces on a purchase of seeds amounting to no less than \$1.00.

SWISS CHARD—LUCULLUS. The plants grow to a height of 2 to 2½ feet. The stalks are as thick and broad as those of Rhubarb being one and one-half inches broad, heavily ribbed and from ten to twelve inches long below the leaf. These stalks are delicious when cooked and served in the same manner as asparagus. In the new Lucullus the leaves are larger and sharply pointed at the top, while the texture is heavily crumpled or "savoyed," more crisp, tender and of finer flavor. The leafy portion of the foliage is cooked and served in the same manner as Spinach. The leaves and stalks served as separate vegetables afford two distinct dishes from the same plants at one time. Per pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

Brussel Sprouts

CULTURE. Sow seed from July to October. Transplant when six to eight weeks old and treat same as cabbage. A half pound of seed will make plants enough for an acre. Spray with Black Leaf 40 to rid plants of Aphis. To kill Cabbage worms treat with Arsenate of Lead or Paris green. 1 oz. of seed will produce 2000 good plants.

DWARF IMPROVED. Produces on the stem, compact sprouts resembling miniature cabbages. A delicious vegetable. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

Broccoli

CULTURE. Sow seeds in beds or rows in well prepared soil. When eight or ten inches high transplant to permanent place 1½ to 2 feet apart in rows three feet apart.

**SWISS CHARD**

EARLY PURPLE CAPE. Resembles the cauliflower, but is harder and more easily grown. Heads purplish brown in color, always close and compact; fine flavor. Pkt. 10c; oz. 80c.

ST. VALENTINE. A new large variety, harder than cauliflower and quite as large. Pkt. 15c; oz. \$2.00; ¼ lb. \$6.50.

MATCHLESS WHITE. This variety is quite early and will follow closely the large headed varieties of Cauliflower sown the same time. Pkt. 10c; oz. 90c.

Cabbage

CULTURE. Sow the seed thinly in beds, either in drills or broadcast from August to April. Care should be taken if too thick to

thin out so as to avoid spindling plants. After plants are seven or eight inches high, transplant to field where they are to grow. Keep continually moist, never allow to grow dry, or they will most likely "shoot" to seed when watered again. Set the plants of small heading early varieties about 18 inches apart in rows two and a half feet apart and late large headed varieties 24 to 30 inches apart in rows three to four feet apart. It requires about 7,000 plants to set an acre or about six ounces of seed.

**SAVOY CABBAGE**

Dust with arsenate of lead while plants are in the seed bed and again just before starting to head. If attacked by aphid spray with solution of Black Leaf 40.

CANNON BALL. An early white rounded cabbage of excellent quality. Although the Cannon Ball cabbage is an early variety it produces a good-sized firm head with a small core and the leaves with small mid-veins making a fine grained sweet cabbage. By setting the plants 12 to 14 inches apart heads weighing from 3 to 5 pounds will be produced, but by setting them 18 to 24 inches the heads will range up to 10 and 12 pounds each. Cannon Ball cabbage will come in from two to six weeks earlier than the Winningstadt and will out-yield it any season. Each year the demand for Cannon Ball cabbage increases. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; lb. \$4.00.

COPENHAGEN MARKET is certainly a valuable new, early cabbage, producing round, hard heads very early in the season. As early as the Charleston Wakefield. It is the most popular early cabbage in the markets of Copenhagen, and is becoming popular in America. Plants are short stemmed, producing heads almost on the ground. The light green colored leaves are medium in size, saucer shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. It is a vigorous grower and yields, as are all cabbages from Denmark, and an excellent keeper. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; lb. \$4.00, postpaid.

DANISH BALL HEAD. One of the best of winter cabbages, heads round, exceedingly solid and excellent keeper. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; lb. \$4.00.

EARLY WINNINGSTADT. Imported. A superb strain of this popular cabbage, that has given perfect satisfaction to our market gardeners for years. Pkt. 10c; oz. 35c; ¼ lb. \$1.20; lb. \$3.50.

SCOTT'S CROSS. A pointed headed variety—a cross between early Winningstadt and Flat Dutch—with a broad base. Considerably larger than the Winningstadt, weighing from eight to ten pounds. Sure to head and a heavy yielder. Short crop. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; lb. \$5.00.

SUCCESSION. Dwarf habit, light green, very solid flat heads, about ten days later than Early Drumhead. Pkt. 10c; oz. 40c; ¼ lb. \$1.30; lb. \$4.00.

PREMIUM LARGE LATE FLAT DUTCH. A standard sort for late crop. A hard sure header. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.20; lb. \$3.50.

EARLY DRUMHEAD. Undoubtedly the best early cabbage for home gardening, as well as the best early marketing varieties for late planting. Pkt. 10c; oz. 40c; lb. \$4.00.

RED CABBAGE

LARGE RED DRUMHEAD. This cabbage has proved the most successful of the red varieties in this locality, attaining a large solid head of good deep color. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50.



CANNON BALL CABBAGE

DRUMHEAD. Savoy, a variety that is much prized in Europe and also by those who are familiar with it in this country. Well adapted for winter growth. It is very sweet and crisp and always tender. Pkt. 10c; oz. 50c; lb. \$5.00.

CHINESE CABBAGE

Culture same as cabbage. We have two distinct types of this succulent vegetable. Chinese cabbage is becoming more popular each year and it is beginning to be shipped to eastern markets in considerable quantities.

LARGE WHITE STALK OR CELERY CABBAGE. Grows eighteen to twenty-four inches tall, forming a looser head than the Hardy Winter variety. Excellent for poultry. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.00.

HARDY WINTER OR WONG BOK is the short leaved variety for shipping. Wong Bok makes a solid head about twelve inches long and five inches through. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.65; lb. \$5.00.

Carrots

CULTURE. Although carrots are hardy after the plant is established, it is difficult to get a good stand unless the soil is well prepared and of such a nature that it will not bake, for the seeds are small and slow to germinate.

Carrots are sown the year around in deeply tilled, sandy, loam soil. Sow one inch deep in rows 15 to 20 inches apart. Thin out to 4 inches apart when plants are two inches high. Keep well cultivated and irrigate every two weeks. Two and a half pounds will plant an acre. One ounce to 150 ft. of drill.

GUERANDE OR OX HEART. Beautiful shape and color. The roots generally attain from four to five inches in length and about three inches in diameter. This is the market gardener's favorite. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

EARLY FRENCH FORCING. The small sort, but extra early. Very sweet and tender. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

DANVERS. The roots are smooth. One of the best sort for main crop. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

CHAUTENEY. The sweetest of all carrots, is of good shape and cylindrical, very smooth, and grows about six inches long, the flesh is entirely red, very sweet and almost entirely without a core. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

IMPROVED LONG ORANGE. A deep orange colored variety. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

LONG WHITE BELGIANS. A variety with long slender roots about one-third of which grows above the surface of the ground thus making it easy to pull. It is very productive, highly nutritious and good keeper. The best for stock feed. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. 90c.

NANTES. Is very brittle, fine grained, of mild, sweet flavor. The color is bright reddish orange. The heart of core is very tender and undefined blending into and of similar color as fleshy part of the root. A superior carrot. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Cauliflower

CULTURE. Cauliflower is a hardy plant and should be grown during the cool seasons in good soil with plenty of moisture at the roots. Sow seeds of early and medium early varieties during May and June, however, there is considerable chance in growing Cauliflower so early as it needs cool weather during the heading periods, if the fall months are warm the Cauliflower will be small and strong tasting. Seed sown from August to February produce the best heads. California Pearl and Dry Weather are used the most. Set plants of early varieties 18 to 20 inches apart and late varieties 20 inches apart in rows three feet apart.



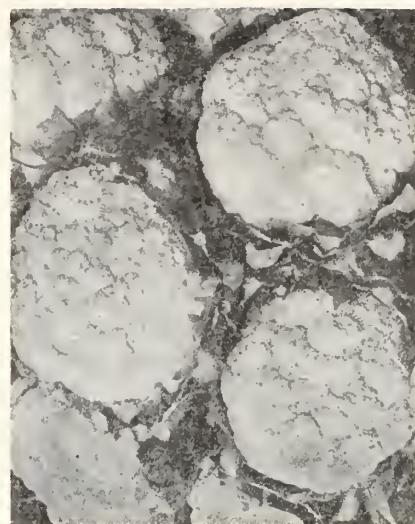
OXHEART CARROT

AUTUMN GIANT. A large sort with compact head. Pkt. 10c; oz. \$1.20; $\frac{1}{4}$ lb. \$4.00; lb. \$12.00.

EXTRA EARLY SNOWBALL. The very best for forcing and earliest in open ground. This variety combines all pedigree points, earliness, purity of color, dwarf habit, fine grain. This seed will produce cauliflower worth the highest market price. It cannot be sold cheap, but the shrewdest gardeners find it the most profitable. Pkt. 25c; $\frac{1}{4}$ oz. \$1.00; oz. \$3.50. $\frac{1}{4}$ lb. \$10.00.

DRY WEATHER. It produces large solid white heads and is an early variety. It is especially adapted for growing in dry locations where other varieties fail. Especially recommended for Southern California and Arizona. Give it rich soil and thorough cultivation. Pkt. 25c; $\frac{1}{4}$ oz. \$1.00; oz. \$3.50; $\frac{1}{4}$ lb. \$10.00.

CALIFORNIA PEARL. It is particularly adapted for shipping, the flower being completely enveloped within spiral curled leaves, thus avoiding injury in packing and retaining its fresh appearance longer than any other variety. It is the shipper's favorite. Per pkt. 20c; oz. \$2.00; lb. \$20.



EARLY SNOWBALL CAULIFLOWER

MORRIS & SNOW'S EARLIEST GIANT CAULIFLOWER. This is selected stock from one of the largest and best growers, and is one of the finest early large headed Cauliflower on the market. For the past season we have given this to the most critical growers with the very best of results. This variety has a head considerably larger than the Snowball or Early Erfurt, and is well protected by the foliage. This is of Italian origin and does exceptionally well in this climate. Pkt. 10c; oz. \$2.00.

MORRIS & SNOW'S GIANT SECOND EARLY. This is a very large, fine headed variety for the later season, and produces a head of the finest flavor and quality. Heads are well protected. Pkt. 10c; oz. \$2.00.

Celeriac

TURNIP ROOTED CELERY

Celeriac is grown for the large turnip-shaped roots, which are stewed or used for flavoring soups. The plants are set six to eight inches apart and are not earthed up, but kept constantly hoed to encourage a large growth. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.20; lb. \$3.50.

Celery

CULTURE. Sow the seed from January to May in shallow drills twelve inches apart, not too thick in the row to secure stocky plants when the plants are strong, transplant to furrows four feet apart and six inches deep. Set the plants six inches apart in the furrow; as the plants grow fill the soil around them for proper blanching. Instead of blanching by banking up as has formerly been the custom, 12-inch boards are now used by placing them each side of the rows for a couple of weeks before harvesting the celery. In the home garden blanching may be done by wrapping each plant up to the leaves with paper. Spray every two or three weeks with Bordeaux Mixture to prevent blight and rust.

GOLDEN SELF-BLANCHING. (French grown.) This variety can be grown the year round and is a very profitable variety, especially in this locality. This seed is grown in France and from this quality produces celery 26 inches in height. You will find this grade will bring the highest price on the market. Oz. \$2.50; $\frac{1}{4}$ lb. \$7.00; lb. \$25.00.

GOLDEN SELF-BLANCHING. (California grown.) This celery is grown from French grown stock and gives the same fine celery that it produced from the above French grown seed except that it grows a little larger. This is excellent for home gardens or local market supply. Pkt. 10c; oz. 80c; $\frac{1}{4}$ lb. \$2.60; lb. \$8.00.

WHITE PLUME. (California grown.) Its stock, inner leaves and heart are naturally white, so by simply drawing the soil up against the plant and pressing it in is all the work for blanching required. This is a very popular variety for market gardeners. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.20; lb. \$3.50.

GIANT PASCAL. The largest of all; is a great favorite in the Eastern gardens. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.20; lb. \$3.50.



GOLDEN SELF BLANCHING CELERY

Chayote

CULTURE. Plant the whole fruit placing it on a slant with the large end down, leaving a small portion of the small end above the surface of the soil. Cover the exposed part with straw or litter of some kind to protect it from frost. Do not give it too much water while the plant is getting started, but when the plant is well established give it a good soaking once a week or ten days.

A climbing plant, related to the cucumber family. A very rank growing vine—used for covering fences, arbors or sheds. It grows over thirty feet in a season, with good dense foliage, and immensely productive. One plant will produce over 150 pounds of fruit. A deciduous vine in this climate. The fruit is one seeded and is planted entire without cutting; weighs about one pound each, and is served in many ways. Fried as Egg Plant. Cooked like Summer Squash or used as a salad and considered a great delicacy by all who have used it properly. We will be able to supply from January to April. Fruits 25c each by mail. 20c each for each additional fruit mailed. Rooted plants 50c each by mail.

METHODS OF COOKING

To the ingenious cook, this appetizing vegetable is a great find. The following are a few suggestions that can be experimented with to suit the individual taste.

1. Fried like onions. Sliced very thin and fried with quantity of onion, in bacon drippings, is both a quick and good manner of preparation.
2. Breaded also to boil until tender. Slice, dip in egg and cracker crumbs and fry it.
3. Roasted: Halve lengthwise, remove seed, salt well, and bake in roasting pan with meat.
4. Boiled dinner. Cook with old-fashioned boiled dinner as you would carrots or turnips.

Chervil

CURLED CHERVIL. Seed should be sown only during the cooler months in rows 15 to 18 inches apart and thin to 4 to 6 inches apart in the rows in good garden soil. Chervil is used for garnishing and flavoring. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.35.

Chives

Chives are perfectly hardy perennial plants of the onion type. They are grown for their small leaves, which are produced the year around and are used for giving a mild onion flavor to various dishes. The tops can be shorn off close to the ground as needed. Roots per bunch 20c, by mail postpaid.

Chives are also easily grown from seed. Sow in beds and transplant as soon as they begin to multiply. Pkt. 10c; $\frac{1}{4}$ oz. 50c; oz. \$1.50.

Chicory

CULTURE. Sow seed in early Spring; thin to 6 inches in row and keep well hoed. The dried roots are used as a substitute for coffee or used fresh as a vegetable.

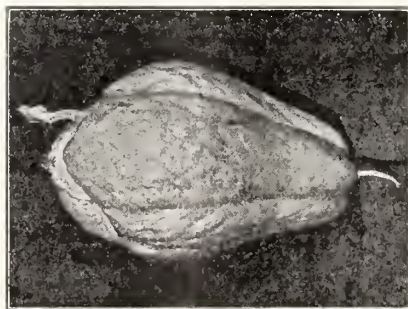
LARGE ROOTED. Roots are dug up in the Fall, dried, cut in thin slices, roasted and ground; are used largely as a substitute for coffee. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.35; lb. \$4.00.

WITLOOF CHICORY. A delicious winter salad. Seed sown in spring out-doors produces parsnip-like roots which should be taken up in fall, trimmed and planted in a cool bed covered with about 8 inches of soil. Over this should be placed a layer of fresh manure two or three inches deep, which forces a new growth of tender leaves that are used as a salad. It is considered a great delicacy. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.30; 1 lb. \$4.00.

Collards

CULTURE. Same as cabbage. This is a form of cabbage grown in the southern states. One ounce of seed will sow 100 feet of drill; two pounds per acre.

SOUTHERN. A mass of leaves on a tall stem, which in the south grow all winter. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.



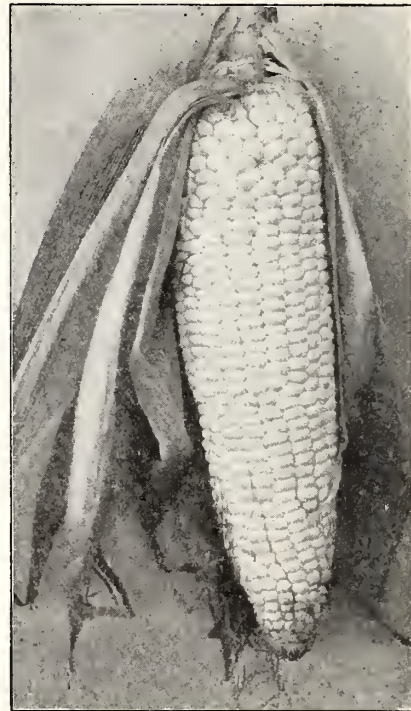
CHAYOTE

Corn

Prices Quoted Herewith Are Prepaid
Ask for Prices on Large Quantities

CULTURE. Plant as soon as danger of frost is past in moist rich soil 10 inches apart in rows three feet apart, except for late plantings, plant the corn two or three by four feet apart, two stalks to a hill. Keep the ground well hoed or cultivated so that the moisture may be retained and the weeds kept out. For succession plant every two weeks till August 15th. In order to secure well filled cobs it is advisable to plant several rows side by side. The effect of this will be to ensure an ample supply of pollen reaching the silks and upon this will depend whether the cobs are well filled or not. Plant eight pounds per acre. We give our list in the order of the earliness of the corn.

Corn worms are the caterpillar state of a moth that flies about at night and deposits its eggs on the corn silks as they first come out. The best remedy for corn worms is to dust the young silks lightly with dry arsenate of lead.



OREGON EVERGREEN CORN

SWEET CORN

EXTRA EARLY ADAMS. The hardest and earliest corn for table use. It is not a sweet corn but on account of its earliness it is extensively planted both by the market gardener and for home use. It is sweet and tender, and very productive. Pkt. 10c; by mail, lb. 35c.

OREGON EVERGREEN. This has become a standard variety in Southern California and it certainly is worthy of the home garden. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

GOLDEN BANTAM. A very dwarf extra early variety of a rich golden yellow; very sweet and fine. Highly recommended by Agricultural Schools and Experiment Stations. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

EARLY MINNESOTA. The old standby extra early large sweet corn. An eight rowed corn maturing right after the very earliest. The excellent quality of the large white grains and its productiveness make it immensely popular. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

BLACK MEXICAN. One of the best sweet corns for this section. Deliciously sweet. It produces a good sized, well filled ear of fine flavored corn. It gives thorough satisfaction wherever used. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

STOWELL'S EVERGREEN. Most popular of all sweet corn varieties. Large fine flavored ears come in abundance with deep kernels, white in color. Main crop sort. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

COUNTRY GENTLEMAN. One of the most delicious and sweetest of all the sweet corns. A main crop variety. It is extremely productive. Its stalk averaging three ears and sometimes as many as five. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

FIELD CORN

Write for Quantity Prices

YELLOW DENT VARIETIES

CULTURE. In Southern California corn may be grown as a second crop on damp or irrigated lands after a crop of hay or potatoes. Irrigate your ground thoroughly as soon as your first crop is out of the way; plow and harrow well, then irrigate again and work up your land and plant your corn three kernels in a hill, hills two feet apart in rows three to four feet apart. For dry farming keep your soil well worked during the spring and when cold weather is over plant your corn three by four feet apart, one or two stalks to a hill.

IOWA GOLD MINE. A large yellow dent corn, with large kernels and a small cob. A very heavy yielder. Lb. 25c, 10 lbs. \$2.00, postpaid.

MEXICAN JUNE. The corn for the arid southwest. When the white man was a pioneer in Arizona and New Mexico, he tried to grow corn but failed. The country and climate were condemned; corn could not be grown, but thanks to the good work of the various state and federal experiment stations, we have the Mexican June. This has been bred up by years of selection from seed which has existed among the Indians from time antedating the Aztecs. Imperial Valley grows realized its merits ten years ago. In Arizona, New Mexico and Texas, it is now grown where no other variety will thrive. Per lb. 25c; 10 lbs. \$2.00, postpaid. Write for quantity prices.

GOLDEN BEAUTY. The best yellow dent corn we have found for this section. This large, broad, yellow dent corn has long ears covered to the extreme ends with bright golden yellow grains. The cob is small, making the product of shelled corn large. Exceedingly heavy cropper. Lb. 25c, 10 lbs. \$2.00, postpaid. Ask for prices on large quantities.

KING PHILIP OR LONGFELLOW, 90-day. A long eared yellow flint corn, originally with 8 rows but now improved till it has from 12 to 14 rows to the cob. King Philip will make corn when the ground is too dry for other corn to develop. Per lb. 20c; 10 lbs. \$1.75, postpaid. Ask for prices on larger quantities.

WHITE DENT VARIETIES

HICKORY KING, 110 Days. A white variety, having the largest grain with the smallest cob ever introduced in a white corn. We sell more Hickory King Corn than all the other varieties put together. Although it is a late variety it is exceedingly popular in Southern California. Per lb. 20c, postpaid. Price on application.

IMPERIAL ENSILAGE. A Yellow Dent variety that produces very long ears of 12 rows. It is a rank grower and very satisfactory for the silo. Per lb. 25c; 10 lbs. \$2.00, postpaid. Write for quantity price.

POP CORN

CULTURE. Same as other varieties of corn.

WHITE RICE. Lb. 30c postpaid. Larger quantities at market prices.

GOLDEN QUEEN. Per lb. 35c, postpaid. Write for quantity price.

Cress**CORN SALAD**

CULTURE. Grow in rows sown rather thickly. Grows up again after cutting. Used in salads and for garnishing.

FINE CURLED (Pepper Grass). Quick growing; leaves finely cut and feathery like a good parsley; growth dwarf and compact; ornamental, crisp and pungent; very refreshing. Pkt. 10c; oz. 15c; lb. \$1.50, postpaid.

WATER CRESS. Highly esteemed as a salad during the spring and fall. Also used as a garnish for meats during the winter. Seed may be started readily in pans or boxes of every moist earth, and the young plants, transplanted to shallow water. Pkt. 10c; oz. 60c; lb. \$6.00.

Cucumber

CULTURE. Plant six to twelve seeds in hills four to six feet apart. Get the seeds into damp soil about one inch. Dust a little air slacked lime on each hill. When the plants show fourth leaf thin to two plants to a hill. Rich, well watered soil is necessary to produce well formed cucumbers. Plant seed in open ground after April 15th or they may be started, under cover earlier by planting the seed in pots and reset in the open as soon as danger of frost is over. One ounce of seed will plant forty hills. Two pounds to the acre.

To control Aphis spray with Black Leaf 40 as directed on the can.

**LONG GREEN CUCUMBER**

ARLINGTON WHITE SPINE. A rich, dark-green variety, turning white when ripened. The fruit is about 7 inches long when in marketable condition and very straight and even shape. Is early and good for forcing and out-of-door culture. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

CHICAGO PICKLING. This is undoubtedly the best Cucumber for Pickles, and is used almost exclusively by a vast majority of the pickle factories. The fruit is medium length, pointed at both ends, with large and prominent spines. Pkt. 10c; oz. 20c; lb. \$2.00.

DAVIS PERFECT. This cucumber has been a favorite for late spring and early summer planting. The fruits are eight to ten inches long, dark green and very attractive. It is also extra good for hothouse use. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$2.00.

IMPROVED LONG GREEN. Dark green, firm and crisp, 12 to 16 inches long. Very extensively grown. Pkt. 10c; oz. 25c; lb. \$2.50.

JAPANESE CLIMBING. This sort grows quickly, climbing poles or trellis, thus taking up very little room on the garden. The fruits are of good size and of fine flavor. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

KLONDYKE. A favorite variety among our market gardeners. It is an improved strain of the famous White Spine. When suitable to ship the fruits average about 2 inches in diameter and 7 inches long, very dark green, striped with light green about one-third the length from the blossom end. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

LEMON CUCUMBER. This is a very nice sub-acid variety and considered superb as a salad. The fruit is small and in appearance similar to a lemon. Pkt. 10c; oz. 30c; lb. \$3.00.

Egg Plant

CULTURE. Sow seed in hot bed early in Spring. Transplant to boxes or cold frames when third leaf appears, setting plants two to four inches apart, or they may be put in small pots. Always keep plants from frost. After danger of frost is over set in permanent place two feet apart in rows four feet apart. Spray with Black Leaf 40 for Aphis and with Paris green or arsenate of lead for leaf beetle.

NEW YORK IMPROVED. Finest variety yet produced. Pkt. 10c; oz. 75c; ¼ lb. \$2.25; lb. \$7.50.

BLACK BEAUTY. Fruit large, symmetrical in shape and uniformly of a rich, dark purple color. Fruit matures a little earlier than our New York Improved, but are not quite as large. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$7.50.

**BLACK BEAUTY EGG PLANT****Endive**

CULTURE. This vegetable is highly esteemed as a salad. Sow small quantities at different times to insure a plentiful supply, as these crops soon run to seed. When the plants are three or four inches high, transplant one foot apart, each way. Blanch the leaves by gathering them carefully together and tying, when perfectly dry, with Raffia, a couple weeks before using. A much neglected vegetable which grows to perfection in California, also called Chicory and Escarole.

BROAD LEAVED BATAVIA. Broad, nearly plain; light green; best for soup. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

MOSS CURLED WHITE. Does not need blanching, the midribs being naturally of a pale golden yellow, almost white. Pkt. 10c; oz. 20c; ¼ lb. 70c; lb. \$2.00.

Garlic

CULTURE. Garlic is grown from the clove or cell of matured bulbs. Planting should begin during October in well prepared soil and may continue till the 1st of April, but the early set garlic gives better yield. Keep in growing condition by irrigating when necessary and cultivating and weeding. Harvest when the tops turn yellow. One pound will plant 150 feet of row 200 lbs. per acre.

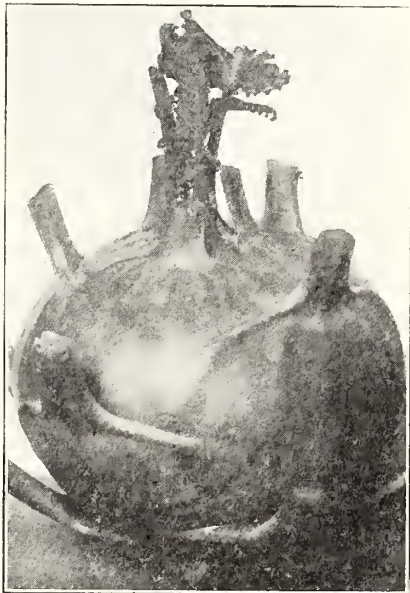
Lb. 35c, postpaid. Larger quantities are furnished at prevailing market prices. Please write for quotations.

Horse Radish

Add 3c Per Dozen for Postage

GOOD HORSE RADISH. Horse Radish is always in good demand and pays well. However, you must have the proper conditions, namely, a medium heavy soil and plenty of water. Sold only in roots. Doz. 15c; 100 roots \$1.00; large quantities on application.

MALINER KREN HORSE RADISH. This new variety of Horse Radish was first discovered by the United State Agricultural explorer Mr. David Fairchilds, in Bohemia about ten years ago and sent to be tested in the soils of the United States. These were planted the following season and from them some of the finest specimens of Horse Radish were produced that were ever seen in the United States. It requires about 10,000 to plant an acre, it sells readily in any market at from 5 to 10 cents per pound to the pickling houses at about \$100 per ton. Doz. roots, 25c; per 100 roots, \$1.50.



KOHL RABI

Kale or Borecole

CULTURE. Same as for cabbage. Or it may be grown direct from seed and the young plants thinned out to the desired space. Largely grown for greens for poultry. Can be grown any time in the year, but best results are obtained by sowing seed during fall and winter. Have your transplanted plants 12 to 18 inches apart in the row and the rows three feet apart.

TALL GREEN CURLED SCOTCH. This makes a beautiful plant, about 26 feet tall. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

JERSEY OR TREE KALE. A very hardy variety used mostly for poultry and stock purposes. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.20.

THOUSAND HEADED. This variety sends up many heads from the base and is a very heavy producer. Per pkt. 10c; oz. 20c; lb. \$1.25.

Kohl Rabi

CULTURE. Kohl Rabi produces turnip like tubers just above the ground having the flavor of the heart or stem of cabbage but much more tender. It is essential that they are grown quickly and continuously otherwise they are tough and bitter.

Sow seed one inch deep where the plants are to grow during cool months, thin out when two or three inches high. One ounce will plant a 110 foot row.

EARLY WHITE VIENNA. The earliest sort, very tender, excellent for tabel use. Pkt. 10c; per oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

EARLY PURPLE VIENNA. Similar to above but has flesh of a purple color. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

GOLIATH (New). An Improved white variety; grows quickly to a large size and is very tender and sweet. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

Leek

CULTURE. Sow in drills one foot apart, half inch deep in light rich soil; transplant when large as pencil, to 10 inches in the row. One ounce of seed to 100 feet of drill.

LARGE MUSSELBURGH. A very large growing variety, and a favorite with many. Pkt. 10c; oz. 35c; lb. \$3.50.

MONSTROUS CARENTAN. A fine variety with dark colored leaves. Pkt. 10c; oz. 35c; ¼ lb. \$1.10; lb. \$3.50.

Lettuce

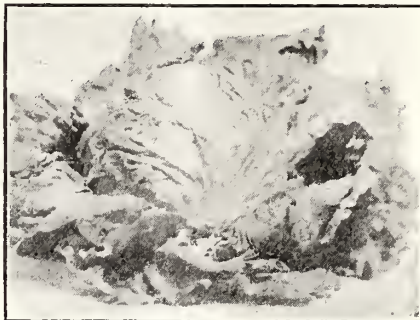
CULTURE. Have the soil well pulverized and moist. Sow the seed in drills twelve or eighteen inches apart and not over half inch deep. Do not allow the seed to get dry after being sown (See "A Word About Soils"). When the plants are two inches high thin to about eight inches, or transplant. The transplanted plants will mature two to four weeks later than those grown direct from seed.

Well watered, rich loam soil well worked and kept free from weeds, insures a fine brittle lettuce.

CABBAGE-HEADED Curled Leaved

ICEBERG. Large curly leaves, light green, with a very slight, reddish tinge at the edges. Delicious, crisp, nutty flavored heads, often attaining 8 to 12 oz. each. Iceberg can be planted the year round and is practically the only Lettuce that will head at all satisfactory during the summer months. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

NEW YORK SPECIAL or LOS ANGELES MARKET. To meet the demands of the shippers of winter vegetables, we went to considerable expense to get this lettuce. It is a selected strain of the Wonderful lettuce grown for the local market for many years. It has a very solid, conical head, making it especially valuable for packing and shipping. It is of fine flavor and takes well wherever offered. The leaves are dark green outside, but inside the heads are pure white and well crimped. Seed sown from August to April for best results. This lettuce is shipped to all parts of the United States, and is known as the Los Angeles Lettuce. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.



LOS ANGELES MARKET LETTUCE

CABBAGE-HEADING VARIETIES Smooth Leaved

BIG BOSTON. A very early new variety, forming fine hard heads within a few weeks after planting. It is medium sized, light green, with buttery crisp heads. There is just a faint tint of brown on the head. It is essentially a spring sort and does well all summer. Being of rapid growth and quick heading it is especially recommended for the home garden and is universally esteemed. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

LOOSE-HEADING VARIETIES

BLACK SEEDED SIMPSON. This is a very popular variety as a loose leaf lettuce. The leaves are large, thin, very tender, and of very good quality. It is one of the best sorts for under glass as well as for early outdoor planting. Lb. \$1.50; ¼ lb. 50c; oz. 20c; pkt. 10c.

GRAND RAPIDS. A loose leaf, very early forcing variety; very popular for growing in cold frames or under glass. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

EARLY CURLED SIMPSON. One of the best early sorts. The leaves tend to produce a large loose head, beautifully crimped. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.



PARIS WHITE COS LETTUCE

Cos Lettuce or Romaine

These lettuces have a distinct upright habit and are considered by many to be the highest quality of all lettuces. Very crisp and sweet.

PARIS WHITE COS. Grows to large size. Self-closing. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

Mustard

CULTURE. Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow fifty feet of row.

GIANT SOUTHERN CURLED. Large variety forming a great mass of the beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

WHITE ENGLISH. Light green variety, tender leaves. Seed light yellow. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

CHINESE. The leaves are twice the size of the ordinary White Mustard, while the flavor is sweet and pungent. Per pkt. 10c; oz. 20c; lb. \$1.25.

OSTRICH PLUME or FORDHOOK FANCY. The plants of vigorous growth, have beautiful dark green leaves which curve outwardly like a fine ostrich plume. Even those who do not care for mustard as a piquant salad will be delighted with the leaves of Fordhook Fancy, cooked like a spinach, any time during the summer. It is even superior to the best spinach in flavor. Try it. Per pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid.

M. & S. Mushroom Spawn Spawn



MUSHROOM BED

The following are suggested as embodying in a few words the basic principles underlying successful cultivation:

"Mushrooms may be grown in a shed, cellar, cave, under the benches in green houses, in fact in any place where conditions of temperature and moisture are favorable or can be controlled. The proper temperature ranges from 53° to 60° F., with extremes from 50° to 63° F. The atmosphere should be moist enough to keep the beds from drying up, and a gradual renewal of the air, without draughts, should be provided for. Horse manure, properly composted by three or more successive turnings, is the best material for the beds. The object of the turnings is to expose the manure to the air and by oxidation transform it into cellulose, the form in which it is assimilated as food by the mushroom. The manure is piled in heaps about 3 feet deep and allowed to heat, care being taken to avoid overheating or burning. It is turned or forked over 3 or 4 times, at a week's interval, in such a manner as to bring the inside of the heap to the outside and thus secure a uniform oxidation. The material is sprinkled at each turning but not drenched. When small quantities of manure are used, and a proper heating or composting of the material cannot therefore be obtained, it may be found advisable to admix some loam with it, about one-fourth or one-fifth and make up the beds after one or two turnings. The beds are made to a depth of 10 or 12 inches. When the temperature of the beds has dropped to about 75° F. the spawn is inserted to a depth of from 1 to 2 inches, and tamped. When the spawn is "running," usually about 2 weeks after planting, the bed is cased. Casing consists in applying a layer of screened loam (a calcerous loam is to be preferred) from 1 to 1½ inches deep to the surface of the bed. The casing should be slightly moist. Mushrooms should appear from 5 to 10 weeks after spawning, and will continue to produce for a period ranging from two to three months."

Cultural Directions: (A small pamphlet.) 5c each.

LAMBERT'S PURE CULTURE SPAWN. Produced from tissue cultures invigorated by frequent references to spore stock. Each brick weighs from 1¼ to 1⅓ lbs. and will spawn from 8 to 10 feet of beds. We keep on hand the white variety which is generally preferred in the markets, but can supply the cream or brown varieties, if desired. Per brick 40c; 5 bricks \$1.75, postpaid; by express or freight, 10 bricks, \$2.75; 25 bricks \$6.50; 100 bricks \$24.00.

M. & S. Pedigreed Melon Seed

Muskmelon

NOTE—Melons require a strong fertile soil. The better condition you have your land the better melons you get. We earnestly recommend the sowing of a cover crop for the up-building of your soil. In the Fall after the first rain, plow and harrow your ground and sow one of the cover crops or better yet plant Yorkshire Hero Peas and pick the first crop of two for market then plow the green vines in deep. This will give nitrogen and humus to your soil in an available condition from which your melons will draw their nourishment the following season.

CULTURE. Sow in hills six feet apart in rows eight feet apart. Drop about 8 to 10 seed to the hill; cover one inch deep. Apply Tobacco Dust before the plant appears above the ground to keep away beetles. When the young plants begin showing character thin each hill to two strongest plants. One ounce seed will plant 70 or 80 hills, two pounds to an acre.

Spray with Black Leaf 40 for Aphis.

CALIFORNIA BEAUTY. Fruits of large size, well flattened, heavily ribbed and netted. Of very handsome appearance and fine quality. Most highly recommended; it ripens as early and is similar to Hackensack, but superior. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

BURRELL'S GEM CANTALOUPE. Delicious flavor. Flesh golden and very thick, fine grained. Uniform in size and weight. An ideal market variety. Shape slightly elongated; meat very thick, fine grained and spicy, not containing too much water or acid. Seed cavity small triangular, with seed held closely in place in three lobes. This is one of the first points to consider in shipping melons. The average weight is two and one-half pounds, uniform length about six inches, and the thickness four and one-half inches. Not only is this an excellent shipping melon, but for quality it is excellent and very satisfactory for the amateur grower for home use. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.



BURRELL'S GEM CANTALOUPE

CHAMPION MARKET. A splendid variety of the Netted Gem type, producing fruit nearly three times as large as the original Gem or "Rocky Ford." The melons are regular in form, nearly round, averaging eight inches in diameter, with heavy well-netted ribs, thick light-green flesh, with very thin rind and true Netted Gem flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

GOLD LINED ROCKYFORD. The best yet in shipping melons. The shippers with one accord praise it. This new strain of Rockyford has all of the fine qualities and flavor of the original with the addition of the beautifully tinted golden coloring about the seed cavity that adds to its appetizing appearance on the table. Ask for prices in large quantities. Pkt. 10c; ¼ lb. 80c; lb. \$2.25.

EXTRA EARLY HACKENSACK. Sometimes called Turk's Cap. A large round melon flattened at the end and well ribbed. The skin is deeply netted; flesh is green and of a delicate flavor. Pkt. 10c; oz. 20c; lb. \$1.50.

NETTED ROCK. The meat is very deep, light green, fine grained, spicy and sweet. The cavity is small and the seed almost completely fill it, so that there is little chance of decay in shipment from the loosening of the seeds. Write for special prices on large quantities. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.



HONEY DEW MELON

HONEY DEW. Unlike the ordinary muskmelon or cantaloupe both in appearance and flavor, the outer skin being smooth, hard and nearly white, being really of the Casaba type. The melons are large, round to oval in shape, extremely thick meat and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelon. Pkt. 10c; oz. 25c; ¼ lb. 70c; lb. \$2.25.

OSAGE GEM. Combines the shipping qualities and flavor of the Osage and Netted Gem (Rocky Ford). A splendid shipper. Outside like the Netted Gem, inside like Osage or Paul Rose; it pleases the eye on sight and confirms the impression by its color and exquisite flavor when cut. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

PAUL ROSE. A very heavy cropper, ripening an enormous number of fruits. The flesh is salmon color, very deep, and of fine melting character with thin rind and small seed cavity. Pkt. 10c; oz. 20c; lb. \$1.50.

ROCKYFORD. It is a small early melon; flesh is deep and thick and light green in color, except next to the seed where it inclines toward yellow. The flavor is exceedingly fine. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

TIP TOP. Selected stock. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality, every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy of finest flavor, edible to the very rind. It is a strong grower and a heavy yielder and of handsome appearance. Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. \$2.50.

THE FAMOUS INDIANA. Introduced a few years ago by an Indiana man who settled near Lomita. He sold the melons from a stand by the boulevard; the melons were of such fine texture and flavor and appetizing appearance that they were soon known throughout Southern California. This is an ideal melon for either home garden or large acreage. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

Casaba Varieties

ARMENIAN. A fine melon of delicious flavor between the Hybrid Casaba and muskmelon. The Armenian melon was brought here from the Holy Land by parties traveling there who were favorably impressed with its excellent flavor and good appearance. It has the shape of the Montreal Market, lightly netted with a dark green skin but with the keeping qualities of the Casabas. We can fully recommend this melon and advise a trial of it at least. Pkt. 10c; oz. 50c; ¼ lb. \$1.60.

GOLDEN BEAUTY. This melon is very similar to the Winter Pineapple except that it has a golden yellow rind. A fine keeper and shipper. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.



HYBRID CASABA

WINTER PINEAPPLE. This is the original variety of the Casaba (and has been a favorite ever since) first grown here. It is the wrinkled green one with somewhat of a cucumber flavor. It is being used very extensively for shipping East for the holiday and winter trade. When well packed with straw in crates they arrive at destination in fine condition. Pkt. 10c; oz. 25c; lb. \$2.50.

HYBRID CASABA. This is with the Old Summer the largest of all the Casabas, attaining 16 to 18 lbs. Outside it is a pale green in color and heavily ribbed and wrinkled. The flesh is creamy white in color and from two to three inches in thickness. The meat simply melts in your mouth. We have a select strain of this seed. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

CHRISTMAS or SANTA CLAUS. This is the oblong mottled melon, which has become so popular throughout the southwest. It is being shipped all over the United States during late fall and winter months. The rind or shell is hard and about one-eighth of an inch thick. The flesh is light green in color and of a deliciously juicy flavor. There is no seed cavity; the seeds are in the thick pulp which is a continuation of the flesh. Do not pick this melon before it is ripe if you want to get the best flavor. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

IMPROVED HYBRID. This melon is not as large as the Hybrid Casaba and has a deep green color outside. This is the par excellence of the Casaba. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

COLUMBUS CASABA. Our new Casaba. The best variety, selected from many European and Domestic varieties, which we have been testing out. This promising to be the best of all the many varieties under trial. Melons medium to large, averaging about 6 lbs.; perfectly round without ridges. Highly netted and extremely showy, with deep rich salmon colored flesh, which for quality is unsurpassed by any Casaba we have tested. This variety is highly recommended for its many fine qualities, and being one of the most showy, is sure to sell well. Pkt. 10c; oz. 30c; lb. \$1.00.

Watermelon

CULTURE. As soon as the weather becomes settled, about the first of March, select a rich sandy loam soil which has been plowed deep and well harrowed. Plant 6 to 10 seed one or two inches into moist soil, in hills 10 to 15 feet apart each way. When young plants show character, thin out to 2 or 3 best plants in each hill. Keep your ground well cultivated and free of weeds. The best flavored melons are grown without irrigation. One ounce to 50 hills; 2 lbs. to an acre.

Apply Tobacco Dust or slacked lime before the plants come up to keep beetles away. Spray with Black Leaf 40 to control aphids.

KLONDYKE (Special). We have made arrangements with one of the best melon growers, Chas. Richardson, to save for us and put up under his own supervision, Klondyke watermelon seed grown from the original stock of which he has been carefully growing since this wonderful melon was first introduced. To our knowledge Mr. Richardson has been handling this particular lot with the best of care and we feel proud that he gives us this opportunity to offer the original strain of Klondyke in pond packages at \$4.00 per lb.

KLONDYKE or PASADENA. Has certainly won favor in the San Gabriel Valley, but seemed to have failed in the coast melon district. This melon is oblong, of dark green rind with bright red flesh, very crisp, and as sweet as sugar. This melon has taken the market at Pasadena and other foothill towns. Pkt. 10c; oz. 40c; lb. \$3.00.

IRISH GREY. A distinct and very valuable melon; wonderfully productive; will produce more good melons under the same conditions than any other variety; long, thick, uniform. Color of rind, yellowish gray, interwoven with thread-like veins; smooth, marble-like surface almost as hard as the citron. Flesh sparkling bright red, sweet and entirely free from hard centers or stringiness. Yet the flesh is very firm and compact. Will not break when sliced. One of the best shippers; average size, 30 pounds. Time for ripening, 85 days. Seeds white. Postpaid, pkt. 10c; oz. 10c; ¼ lb. 25c; lb. 75c; 3 lbs. \$3.25.

ANGELENO. Is a cross from the famous Chilian. It is somewhat larger in size than the parent, but of equally as good shipping and eating qualities. The Angeleno is an unusually heavy cropper. Its very dark green glossy skin in contrast with its dark red crisp flesh makes it a most tempting looking melon. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

ALABAMA SWEET. This is a very popular variety in the South where they grow it in preference to any other melon. In shape it is long, color dark green, flesh red and absolutely stringless. Pkt. 10c; oz. 15c; lb. \$1.25.

FLORIDA FAVORITE. A favorite in San Joaquin Valley; fine, large, very fine flavored. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

HALBERT HONEY. A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delightfully delicious flavor, pulp entirely free from stringiness. One of the finest for the home garden. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid.

KLECKLEY'S SWEET. One of the finest melons on the market. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

TRUE ICE CREAM. Yellow fleshed. The great home market melon. It has too thin a rind for shipping unless packed in straw. Few, if any, surpass a True Ice Cream for quality and productiveness. Lb. \$1.50; ¼ lb. 50c; oz. 20c; pkt. 10c.

GEORGIA RATTLESNAKE. One of the oldest and most popular sorts and frequently known as Gypsy. A large oblong variety with decided stripes, of light and deep green. Rind is tough but flesh is of good quality and bright red; a good shipping and market melon. Is quite as generally used by the large melon growers as Kleckley Sweets and is more profitable, being very easily grown. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

TOM WATSON. A Watermelon of superior shipping qualities with all the good points of a home garden melon. Tough thin dark mottled green rind, bright red flesh, which is deliciously crisp and tender. The mature melons weigh from 40 to 60 pounds and are from 18 to 24 inches long. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

BLACK SEEDED CHILIAN. A variety brought from South America several years ago. It originally had black seed, but like other black seeded melons grown in this section, continually, the seeds have become almost entirely white. The black-seeded Chilian is much earlier than the other strains and seems to have a better flavor, and it certainly is a much prettier melon when cut open. We have procured some black seeded Chilian seed grown from the original stock, with the yellow belly, and we know all who try it will be well satisfied. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50.



GEORGIA RATTLESNAKE

Chilian Varieties

RED SEEDED CHILIAN. A fine strain of this melon and much sought. Pkt. 10c; oz. 15c; lb. \$1.50.

WHITE SEEDED CHILIAN. The strain mostly grown and a great favorite with the commercial growers. This we have in extra selected stock. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Black Seeded Angeleno

For several years it has been the ambition of most melon growers and seedsmen to perfect a Black Seeded Angeleno. There have been limited quantities of this variety at different times but never before has anyone been able to supply the seed of the Black Seeded Angeleno in quantities sufficient to plant large acreage.

The Angeleno has been one of the most popular melons on the Southern California markets. The dark green rind appeals to the buyer and attracts the attention of the consumer. The dark red flesh and excellent flavor of the melon pleases the consumer.

Although the rind is thin the Angeleno is a good shipper and will stand a haul of 200 or 400 miles in car loads and arrive in good condition.

Now we offer a melon with all of these merits with the added advantage of having black seed which makes it very attractive wherever a cut melon is exhibited, especially advantageous for restaurant and cafeteria trade.

BLACK SEEDED ANGELENO. Our seed is especially grown and saved for seed purposes; thoroughly ripened. Price pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00, postpaid. Write for prices on larger quantities.

Citron

CITRON, RED SEEDED OR COLORADO PRESERVING. A small, globular variety striped and marbled with light green. Flesh white and solid; seeds red. Used exclusively for pickles and preserves. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

CITRON, GREEN SEEDED. An oblong dull green variety about eighteen inches long. The flesh is green with green seeds and is used largely for stock feeding. A common plan is to split them open with an axe and feed them to cattle in the field. Pkt. 10c; oz. 20c; ¼ lb. 35c; lb. \$1.00.



WHITE VELVET OKRA

Okra

CULTURE. Soak the seeds over night in warm water and plant in warm, moist loamy soil. Do not wet the bed again until the plants are up. Keep well cultivated. One ounce will plant 100 hills. Four pounds to one acre. Give each plant twenty-four inches each way.

WHITE VELVET. This distinct and beautiful new Okra was originated in Georgia. The pods are very large, perfectly smooth, never prickly, round; not rigid or square as in other okras. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

DWARF GREEN PROLIFIC or DENSITY. A distinct variety growing about 14 inches in height; very productive; of fine smooth pods. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.25.



SWEET SPANISH ONION

Onions

CULTURE. The most common method of culture is to drill seed thick in the rows quite shallow and rows from 18 to 24 inches apart. After plants are as large as pencils thin out to three to five inches, according to the variety, transplanting those taken out to the same distance, after cutting back the tops and roots. Or they can be grown thickly in beds and transplanted to rows. Can be sown any time of the year, and really there is no excuse why fresh onions cannot be had every day in the year. For early dry onions in the Spring, plant sets during the Fall, which mature much more quickly than from seed. Beware of cheap quotations on this seed, as much inferior stock with poor germination is offered, some many years old. Our stock is fresh and of very highest quality and germination.

AUSTRALIAN BROWN. Of small size but the greatest keeper yet introduced. If planted on a good soil and properly cared for, this crop will bring more money than any other variety. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

YELLOW BERMUDA. While this is called white, is it really a straw color. Pkt. 10c; oz. 50c; lb. \$5.00.

RIVERSIDE SWEET SPANISH. The most popular onion on the market—everybody is asking for it. Its large size, mild flavor and excellent keeping qualities makes it greatly sought after. The outside is yellow but pure white inside. Try some, its a winner. Pkt. 10c; oz. 80c; ¼ lb. \$2.50; lb. \$8.00.

RED BERMUDA. A very early variety of dull red—flat. Very productive. Pkt. 10c; oz. 50c; lb. \$5.00.

CRYSTAL WAX. White Bermuda. A very large silver skin variety; very productive and is grown in great quantities. Pkt. 10c; oz. 50c; ¼ lb. \$1.65; lb. \$5.00.

EARLY WHITE QUEEN. One of the early Spring varieties; medium size and very mild in flavor. Pkt. 10c; oz. 40c; ¼ lb. \$1.60; lb. \$5.00.

LARGE RED WETHERSFIELD. Large size; of deep red. An old standard variety. Pkt. 10c; oz. 50c; ¼ lb. 85c; lb. \$2.50.

MAMMOTH SILVER KING. A large variety of the "silver skin" kind. Very mild and a fine table variety; good cropper and matures quickly. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

SOUTHPORT WHITE GLOBE. A pure white globe shaped variety. Forms handsome hard onions with wax-like, pearl-white flesh. The best keeping white onion. Is used a great deal for green onions owing to the clear white stem. Pkt. 10c; oz. 50c; ¼ lb. \$1.30; lb. \$5.00.

SOUTHPORT RED GLOBE. A beautiful dark red globe shaped onion coming into favor. It is a better keeper than other red onions. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.00.

PRIZETAKER. A beautiful variety of large size; rich yellow color. Pkt. 10c; oz. 25c; lb. \$2.50.

WHITE PORTUGAL or SILVERSKIN. The best known and most largely used white onion. Is flat on the bottom and thick toward the top. Very hard and firm and an excellent keeper. Is largely used for white onion sets as well as for market onions and pickles. Pkt. 10c; oz. 40c; ¼ lb. \$1.30; lb. \$4.00.

YELLOW GLOBE DANVERS. We have had grown for us by an expert grower. Yellow Globe Danver Onion which is absolutely the best grown in California today. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

WHITE BUNCHING. This is an onion with a large neck especially used for young green onions; mild and sweet. Pkt. 10c; oz. 50c; lb. \$5.00.

Onion Sets

Plant near the surface, in rows 12 inches apart and 4 inches between the sets. When raised from sets, the onions can be ripened off for large onions, in which case they are fully six weeks earlier than when raised from seed. Prices are subject to market fluctuations as the season advances.

ONION SETS. Can be furnished nearly the year round. Yellows and browns from Sept. to June at 35c per lb., postpaid. Silverskin sets from August to March at 40c per lb., postpaid.

BERMUDA SETS. Yellow and Crystal Wax can be supplied from July 15 to Oct., 45c per lb., postpaid. Special prices on large quantities.



WHITE BUNCHING ONIONS

Parsnips

CULTURE. Work your soil well to depth of at least a foot. Sow from September to following May in drills 15 inches apart, covering $\frac{1}{2}$ inch deep. When well up, thin out to 5 or 6 inches in the row. The seed is slow to germinate, hence should be sown in soil that holds moisture well. One ounce to 200 feet of row. Five pounds to an acre.

HOLLOW CROWN. The most popular and best variety for all purposes. Skin smooth and white, and flesh tender, while the root grows eighteen to twenty inches long. The best part of it is contained in the first eight inches from the top. It is particularly fine, smooth and regular. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$2.00.

Parsley

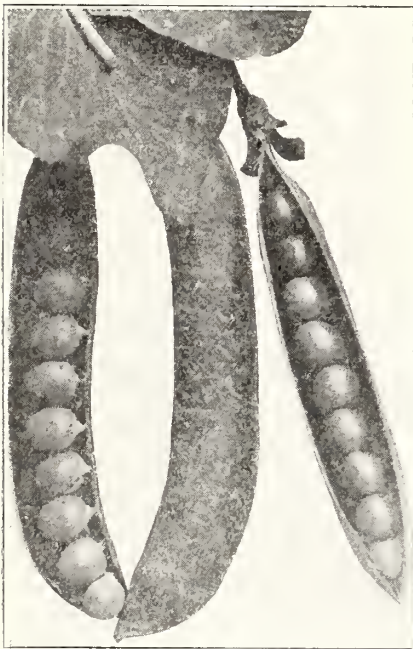
Sow the seed in moist loamy soil. Thin the plants to six inches apart in row or transplant to that distance. One ounce will produce about 600 plants.

Best results can be obtained by sowing parsley seed after December 1st and up to June 1st. When planted during Summer and Fall, it is liable to run to seed quickly.

CHAMPION MOSS CURLED. Extra dark leaves. Leaves crimped and curled. Pkt. 10c; oz. 20c; lb. \$1.75.

EMERALD or DWARF EXTRA CURLED. Leaves tender, beautifully crimped, handsome, bright green in color; very ornamental. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.75.

HAMBURG or TURNIP ROOTED. A plain-leaved variety, forming a long, thick, edible root. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.



ADMIRAL OR SENATOR PEAS

Peas

Prices Herewith Quoted are Prepaid to Your Address

Write for Quantity Prices

CULTURE. Peas are primarily a cool weather crop but may be sown in California the year round. Sow in rows from 2 $\frac{1}{2}$ to 3 feet apart, according to the variety. 50 to 60 pounds to the acre. Sulphur just as they begin to bloom, then at intervals of a week or ten days, will prevent mildew and also keep aphids away. Spray with Black Leaf 40 to control aphids. Treat the seed before planting with Nitrogen gathering bacteria; it greatly improves their growth.

ADMIRAL or SENATOR. A comparatively new pea to Southern California. Medium growth, branches heavily and abundant producer. The pods are decidedly curved. The peas are the sweetest of all variety grown here. A good shipper and very popular with the growers and dealers. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

EXTRA EARLY PREMIUM GEM or LITTLE GEM. An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality. Pkt. 10c; lb. 35c.

STRATAGEM. A semi-dwarf variety with large leaves and large pods. The peas are dark green, wrinkled, and of good quality. Of all the Peas we list and all of those we have tried we do not know of another variety so well adapted to most sections of our coast as Stratagem. The strain we offer is selected and every imperfect plant carefully rogued out, and we believe we have the very best strain that can be had anywhere. Pkt. 10c; lb. 35c; 10 lbs. \$3.00; postpaid.

YORKSHIRE HERO. The most popular market pea in this section. Abundant cropper and excellent in quality. Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

DWARF GRAY or SUGAR. (Edible pods.) Of extraordinary yielding qualities. Unsurpassed as an edible podded variety. Height 2 feet. Pkt. 10c; lb. 35c, postpaid.

TELEPHONE. A fine, tall variety, immensely productive. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

LAXTONIAN (New). A large podded, extra early Pea of dwarf habit, growing less than a foot high. The pods carrying three to five large peas, are borne thickly on the plant. The Laxtonian will produce peas in seven weeks from planting. With us it is replacing all the old small podded varieties like Notts Excelsior, Premium Gem and American Wonder. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

DWARF TELEPHONE. This with the Stratagem are becoming our leading peas in Southern California. Dwarf Telephone bears large, green pods, very similar to the tall Telephone on plants 18 to 20 inches high. Pkt. 10c; lb. 35c; 10 lbs. \$3.00, postpaid.

Pepper

CULTURE. Pepper seed should be sown in January, either in a warm hot-bed or in a box of rich soil in a sunny window of a warm room. One-half fine, rotted manure and one-half garden soil will make a fine seed bed. Sow the seed thinly and cover lightly, press down the surface and keep moist with slightly warm water. When plants are an inch or more high plant them in small pots, using rich soil as above or transplant so as to stand three inches apart each way in the hot-bed. Give plenty of air on warm days and use tobacco dust to keep off insects. Plant in the open ground when frost is past, setting plants in rows three feet apart for large varieties and one foot apart in the row. Keep the soil loose and fine for frequent hoeings.

In frostless districts for winter pepper start the seed in August and set in the field in December and January.

ANAHEIM CHILI. This is the pepper so well known locally. We have produced at extra cost, a superior strain of this seed. It is greatly superior to the common Chili. Pkt. 10c; $\frac{1}{4}$ lb. 15c; oz. 50c; $\frac{1}{4}$ lb. \$1.60; lb. \$5.00.

"CHINESE GIANT." This is the largest pepper in existence. The plants are strong and vigorous in growth, but of stocky habit, seldom more than two feet in height. The monstrous fruits are of thick blocky form and of the most brilliant glossy scarlet. They average four inches in breadth at the top and of equal length, divided into four or more large ridges, and when ripe are indented at the blossom end. The flesh is unusually thick and extremely mild—as sweet as an apple, and makes an excellent salad sliced and served like tomatoes. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 80c; $\frac{1}{4}$ lb. \$2.85; lb. \$8.00.

CAYENNE. A long slim pod, rather pointed, and when ripe a bright red color. Extremely strong and pungent. Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 80c.



ANAHEIM CHILE PEPPER

ROYAL KING PEPPER commences bearing early and continues until frost. The size is just right for shipping and very smooth. The flavor is mild and sweet. This new pepper is so far superior to the Ruby King that it will supplant it altogether in a few years. Pkt. 10; oz. 80c; $\frac{1}{4}$ lb. \$2.60; lb. \$8.00.

LARGE BELL or BULL NOSE. A very large sort of inverted bell shape. Flesh thick, hard and less pungent than most other sorts. Most popular size for stuffing. Lb. \$7.00; $\frac{1}{4}$ lb. \$2.00; oz. 70c; $\frac{1}{4}$ oz. 20c; pkt. 10c.

PIMIENTO. The great canning pepper. A top-shaped pepper with very thick meat; sweet and mild; can be used either green or ripe. Pkt. 10c; oz. 60c; per lb. \$6.00.

MEXICAN CHILI. The old well known variety. Very hot. Pkt. 10c; oz. 50c; lb. \$5.00.

RUBY KING (True). A great bell pepper of deep shiny red color, the fruit looking as though it might have been varnished. Pkt. 10c; oz. 80c; $\frac{1}{4}$ lb. \$2.50; lb. \$8.00.

Potatoes

Have your ground worked up at least ten inches deep and thoroughly pulverized. Cut the tubers to the size of a walnut or an egg, seeing that each piece has at least one good live eye on it. Make furrows four inches deep and three feet apart; in these drop the cut seed two pieces to a foot or fifteen inches. Fill in the furrow and the young plants will begin showing above the ground in three to five weeks. As soon as you can see the rows, commence cultivating to keep weeds down, and if necessary, furrow out for irrigation, which will be required at least three times for the summer crop and once or twice for the fall crop if there are no early rains. Hoe after each cultivation to kill the weeds between the plants.

Treat all seed potatoes with formaldehyde solution for scab and rhizoctonia. Spray with Bordeaux Mixture for blight. If the leaves are attacked by beetles of any kind use Paris green or Arsenate of Lead in the spray.

For extra early spring potatoes plant Early Rose or American Wonder from November 15th to December 15th. For medium early crop plant from January 10th on, using Triumph or Six Weeks. Early Rose and American Wonder and for main spring crop use White Rose, British Queen or Burbank, planting from March 1st to 30th. After this until the first of August small patches may be put in with varied success. August 1st to 15th, the main fall or winter crop is put in. White Rose and Burbank being mostly used. We do not recommend planting potatoes after September 1st.

Prices of Potatoes on application.

EARLY WHITE ROSE. The best potato for Southern California. Does well in any soil at any season. We recommend this variety for main crop plantings.

AMERICAN WONDER. A medium early and heavy yielder when grown on good rich ground.

BRITISH QUEEN (Blue Blossom White Rose). Heavy yielding late main crop variety, producing roundish white tubers. The vines are robust grower and the tubers are grown well out on the roots. The British Queen will outyield any other potato on rich land.

Pumpkins

CULTURE. Plant five to seven seeds in hills 8 to 10 feet apart each way. Pumpkins are often used as a second crop. They need considerable of moisture to insure a heavy crop so have your ground in good condition when the seed are put in. June is the best month for planting Pumpkins, but any time from April 15th to July 15th will give good results. If the soil is not naturally damp arrange your ground so that it can be irrigated when needed. Keep the land well cultivated and the weeds out. One and a half pounds of seed will plant an acre.

CASHAW OR CROCKNECK. Productive, color light cream. A good keeper; fine for pumpkin pie, sweet in flavor. Per pkt. 10c; oz. 15c; lb. \$1.50.

LARGE CHEESE. Size very large, hardy and productive. Of fine grain and excellent flavor. Pkt. 10c; oz. 15c; lb. \$1.25.

MAMMOTH TOURS. Its prolific propensity makes it a favorite wherever it is introduced. Do not fail to try it. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

YANKEE FIELD or JACK O' LANTERN. This valuable pumpkin will be found a great boon to farmers with dairies large or small. It is a most excellent keeper and will be sure wealth to all who knew and feed it liberally. Oz. 15c; lb. \$1.00.

SUGAR or BOSTON PIE. A small hand-some variety, and very popular. The skin is a deep orange yellow; flesh fine grained and sweet in taste. Famous in Boston, as a pie pumpkin. Per oz. 20c; lb. \$1.50.

CALIFORNIA MAMMOTH. An enormous pumpkin commonly attaining 150 lbs. each. Heavy yielders. Oz. 20c; lb. \$1.25.

Radishes

Being a root crop, good brittle radishes require light, well-worked soil, made very rich and mellow to insure quick growth. If permitted to grow slowly they become tough and pithy. They are easy to grow and frequent plantings will insure a constant supply for the table. Use 1 oz. for 100 feet of row, 20 lbs. to acre and thin the very young plants somewhat to prevent crowding. Plant the year round in California.



WHITE TIPPED RADISH

CALIFORNIA MAMMOTH WHITE WINTER. The well known and popular winter variety. Clear white, about 6 inches long and half stump-rooted. Keeps firm and crisp until it runs to seed, is a good cooking variety and when cooked the flavor resembles turnip. Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.75.

"CRIMSON GIANT" or WURZBURGER FOREING. This new radish is an entirely new type, and differs radically from all the varieties hitherto in cultivation. In so far as its roots attain more than double the size of those of other forcing varieties, without getting pithy or hollow. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

CHINA ROSE WINTER. A delicious radish, crisp, with little tendency to become pithy. A beautiful coloring from bright red at the top to almost pure white at the tip. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

BLACK SPANISH WINTER, LONG. Grows to a large size, of oblong shape; quite solid. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

ROUND BLACK SPANISH. Skin black, flesh white, of firm texture. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

EARLY LONG SCARLET SHORT TOP. Roots long, pinkish color; flesh white and crisp. Pkt. 10c; oz. 60c; lb. \$2.00.

EARLY SCARLET TURNIP. (Selected Stock.) The finest strain of this most popular variety, the handsomely colored roots are most attractive in appearance; they are ready in about 25 days, crisp, brittle and of choicest quality. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

SCARLET TURNIP, WHITE TIP. The earliest of all radishes. Bright scarlet color with white circle just above and including the slender tap root. Very sweet and crisp. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.00.

FRENCH BREAKFAST. A fine early variety, olive-shaped; scarlet body with white tips. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

JAPANESE MIKADO RADISH. A fine variety for late summer planting. "The sweetest radish I ever ate." Long, white and very crisp. Pkt. 10c; oz. 25c; lb. \$2.50.

IMPROVED EARLY SCARLET GLOBE. A desirable sort for hot-bed forcing and outdoors; very early, mild and crisp, juicy and tender; top small, will stand heat without becoming pithy. One of the best sell. Price, pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

JAPANESE LONG SUMMER. Similar to the Mikado Radish but smaller and grows entirely in the ground with the leaves spreading but flat. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.50.

LONG WHITE ICICLE. In form half-long, pure white and very crisp. Very quick in growth and of delicious flavor. Pkt. 10c; oz. 15c; lb. \$1.50.

Rhubarb or Pie Plant

CULTURE. Sow the seed early in the spring in drills one foot apart, thinning out the young plants to four inches. The following spring transplant into deep, rich soil, from three to four feet apart. For immediate use order the roots, which come into use at once. One ounce of seed will make 200 plants.

BURBANK'S WINTER CRIMSON. This is more hardy than the other varieties and is therefore desirable for a winter rhubarb, as it will thrive all winter in this climate. The seed is very scarce. Per pkt. 10c; oz. \$1.00; ¼ lb. \$3.30; lb. \$10.00.

GIANT WINTER CRIMSON. An improved, much larger and therefore a much heavier producer than the Burbank. This variety comes true from seed. Pkt. 10c; oz. \$1.50; ¼ lb. \$5.00.

RHUBARB ROOTS

GIANT CRIMSON WINTER. Each 15c; doz. \$1.50, postpaid. Ask for special price on large quantity.

Roselle

CULTURE. The seed should be planted in April as soon as the ground is warm, and should be planted in hills four feet apart and the rows about six feet apart. Cultivate the same as okra. There is an early and a late variety, and we offer only the early variety, as this one is sure to make a crop before killed down by the frosts in the fall. It is readily grown from seed and grows very rapidly during the warm weather. One plant will generally yield several pounds of fruit which ripens in Sept.

For making jelly the pods should be picked before they become hard or woody. Boil them until soft and strain through a cloth. Add ½ pint of sugar and the juice of ½ a lemon to each pint of juice. Boil again until it jells. Pkt. 10c; oz. 65c; ¼ lb. \$2.00.



ROSELLE OR JELLY PLANT

Salsify**VEGETABLE OYSTER**

CULTURE. Sow the seed early in the Spring in drills one foot apart and one inch deep, thinning out plants to 4 inches. It succeeds best in well enriched soil. One ounce of seed for 50 feet of drill.

MAMMOTH SANDWICH ISLAND. A larger and superior variety, mild and deliciously flavored. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$2.75.

**PRICKLY SEEDED SPINACH****Spinach**

CULTURE. Sow in drills one foot apart and for succession, every two weeks, as it grows thin out for use, keeping clean of weeds. It grows the year round in California. One ounce of seed for 50 feet of drill. Ten pounds to the acre.

AMSTERDAM GIANT. An excellent new variety with unusually large leaves of the prickly type but thicker. The best we have seen in Spinach yet. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.

LONG STANDING. A good sort for the market garden, as it is much slower in growing to seed than the other varieties. Pkt. 10c; oz. 15c; lb. 75c.

NEW ZEALAND. Perennial Spinach, can be grown the year round. Why don't you try some of this? It produces spinach summer and winter. Pkt. 10c; oz. 20c; lb. \$2.00.

PRICKLY SEEDED WINTER. The hardiest of all and the most popular with the market gardeners. Pkt. 10c; oz. 15c; lb. 50c.

SUMMER SUCCESS. This variety has been tried out both in this country and in Europe, and has been found especially adapted to summer growth and particularly well suited to conditions in the southwest. The leaves are smooth with fine, deep green color. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

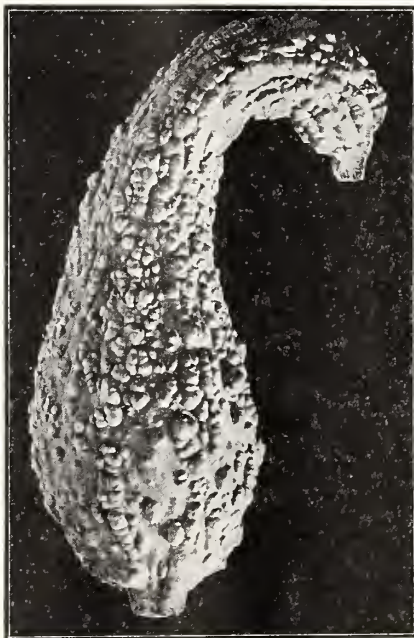
Squash

CULTURE. Plant 5 to 7 seeds in each hill. Have the ground well worked and get the seed into the damp soil. Bush varieties have the hills 4 feet apart and running varieties hills 8 feet apart each way. One oz. of seed to 50 hills, 1 lb. to 2 lbs. to an acre. Plant seeds after danger from frost is over. Spray with Black Leaf 40 for aphids.

BOSTON MARROW. Bright orange color; flesh rich salmon; very sweet. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

COCOZELLE BUSH SQUASH. Is one of our earliest squashes and will continue through the season, if the fruit are picked as soon as ready. The Cocozelle is a long squash of excellent flavor. It is prepared when green either as other squash or fried like egg plant. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

BANANA. Long keeping winter squash with skin varying from bright yellow to olive green. Flesh deep yellow, fine grained, firm and very sweet. The Banana squash may be used when young like a marrow or when allowed to ripen will keep better than a Hubbard. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.00.

**SUMMER CROOKNECK SQUASH**

ENGLISH VEGETABLE MARROW. The best of all the marrows; excellent flavor either green or ripe. When ripe it is about 10 inches long and 5 inches in diameter. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.50.

BURPEE'S FORDHOOK SQUASH. A very fine variety, strong vine and very productive. Fruits oblong in form; about 10 inches long, good for baking when mature, or cook young like summer squash. As sweet as sweet potatoes. Pkt. 10c; oz. 20c; lb. \$1.50.

GOLDEN BUSH SCALLOP. Similar to the White Bush but a golden yellow color. Oz. 20c; lb. \$1.25.

GOLDEN HUBBARD. Same as common Hubbard except being a golden colored shell. Very sweet, clear of fibre and fine for baking. Pkt. 10c; oz. 20c; lb. \$2.00.

GOLDEN SUMMER CROOKNECK. A well known popular crookneck. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

HUBBARD. One of the finest varieties, fine grain of excellent flavor and cooks dry. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

WHITEBUSH SCALLOP. A well known summer squash, very productive, pure white. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

PIKES PEAK or SIBLEY. Is a vining squash of excellent quality. Very sweet and fine grained. A good keeper. Pkt. 10c; oz. 20c; lb. \$1.50.

Use our coupon order sheet. It gives you \$1.25 worth of seed for \$1.00.

Tomatoes

CULTURE. Sow in hot beds from six to eight weeks before they can be set out doors, which is when danger from frost is passed. When plants have four leaves transplant into shallow boxes, or cold frames. Transplant carefully and cultivate well as long as the vines will permit.

RED ROCK (New). Same shape as the Stone, but darker color and firmer. Stands handling and shipping better than any tomato we have had experience with. Excellent for canning or slicing. Pkt. 10c; oz. 45c; ¼ lb. \$1.40; lb. \$4.50.

LIVINGSTON'S CORELESS. This is a distinctly new globe shaped variety, and is one of Livingston's latest and best varieties of tomatoes. It is a fine large tomato of full globe shape, some longer than round, ripening completely without any green or hard core. Pkt. 10c; oz. 45c; ¼ lb. \$1.60; lb. \$5.00.

CHALKS EARLY JEWEL. An excellent variety, starting to bear early and continuing to bear throughout the summer. The fruit is of good size, smooth fruits are bright scarlet, with fine flavor and quality. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

DWARF STONE TOMATO. A dwarf sturdy plant like the Dwarf Champion in habit, but of stronger growth. The fruits are large, and resemble the original Stone. The shape is perfect, with good skin, very solid flesh and of excellent flavor. The plants are very stocky and do not spread much.

**THE GARDENERS FAVORITE TOMATO—STONE**

JUNE PINK. An extra early pink tomato. It is very popular with the market gardeners, where first in the market means so much. The fruit is borne in clusters and begins to ripen early, and bears continuously until cut down by frost. The seed of this variety we have grown for us under contract by an old grower, who has specialized in tomatoes for thirty years, and is able to grow the best that experience and money can produce. Those who have grown these tomatoes have realized more than double for their crop than any other variety, as they are earlier, more prolific, and of better quality, excelling that of the Beauty in earliness, yield and quality. If you want the first and best tomato on the market, try our June pink. Postpaid, pkt. 10c; oz. 60c; ¼ lb. \$1.75; lb. \$5.50.



NORTON WILT RESISTING TOMATO

EARLIANA. Has gained the reputation of being one of the best first early tomatoes. Plants are quite hardy, and fruit well set even during the cool weather. Perfectly smooth and solid with solid center. Pkt. 10c; oz. 40c; ¼ lb. \$1.30; lb. \$4.00.

NEW STONE. One of the general crop varieties, and a favorite with the canners. A good all around variety, early and productive. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

NORTON (Wilt Resisting). This variety is very similar to Stone in size and shape. It is a good shipper, extremely hardy and wilt resisting. 10c pkg; 65c oz.; \$6.50 lb.

PONDEROSA (Beefsteak). A very large variety well known of fine flavor. Pkt. 10c; ¼ oz. 25c; oz. 65c; lb. \$6.50.

FIRST EARLY. This was developed from an early tomato found in a patch of Stones from which variety it takes most of its characteristics as to size and quality, but is very early, even ripening before Earliana. Our first Early has become very popular both around Los Angeles and in the Imperial Valley. Pkt. 10c; ¼ oz. 15c; oz. 50c; ¼ lb. \$1.65; lb. \$5.00.

JOHN BAER. A grand new tomato. Nearly globe in shape, deep bright scarlet colored. The meat is very solid, of fine texture. John Baer ripens early and is the heaviest yielder of all the early tomatoes. It is a favorite with the canner—in fact, it is an all purpose tomato of excellent qualities. Pkt. 10c; oz. 50c; lb. \$5.00.

SAN JOSE CANNER. Has been grown with great success throughout Central California only the last couple years and is proving very profitable to the growers. San Jose Canner is a large tomato often weighing one and a half to two pounds each and producing 25 tons and more per acre. The best tomato for canning. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$7.50.

PEACH TOMATO. Deep rose in color, the shape of the fruit and the appearance of the skin is very similar to that of a peach. It has a very delightful flavor. Per pkt. 10c.

Turnips

CULTURE. Plant for succession from September to April in drills 14 inches apart and thin out plants to six inches. Turnips thrive best in a highly enriched sandy or light loamy soil. One ounce to 150 feet of drill; 4 lbs. to acre.

EARLY PURPLE TOP MILAN. One of the earliest Turnips grown. Of medium size, with flattened round roots, smooth and white with a purple-red top. Leaves short and few; flesh white and of splendid quality. Well adapted to spring and fall planting. Postpaid, pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.20.

EARLY PURPLE TOP STRAP-LEAF. The most popular variety in this section for family use. Large size, white, purple above ground; flesh, fine grain. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.20.

EARLY WHITE FLAT DUTCH. An early white flesh, strap-leaved variety for quick growth; mild flavor and excellent quality; with firm sweet flesh. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.20.

SNOWBALL. The most popular turnip on the market. It has the best shipping qualities, firmness and good appearance as well as being of excellent flavor and texture. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.20.

IMPROVED PURPLE TOP RUTA BAGA. The best of the Swede turnips; very hardy and productive; flesh yellow. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

GOLDEN BALL OR ORANGE JELLY. Rapid grower, of excellent flavor. Bright yellow color. Plant during cooler months only. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

PURPLE TOP WHITE GLOBE. Very solid and sweet. The best variety for summer plantings, having large leaves and is very slow to get pithy. Recommended for planting during May, June, July and August. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.25.

Herbs

HERB SEEDS. (Sweet, Pot and Medicinal.) A few herbs should be grown in every garden, only a small space being necessary to grow sufficient for family use. Sow the seed in the spring, and harvest on a dry day just as plants come into full bloom. Tie them up in small bunches and when thoroughly dried wrap up in paper and place in an air-tight vessel, where they will keep until required. Each, per pkt. 10c.

ANISE. Has useful medicinal properties.

BASIL, SWEET. Used for highly seasoned dishes.

BORAGE. Should be grown by every bee-keeper.

CARAWAY. Largely used for flavoring.

DANDELION. For medicinal purposes.

DILL. Used to flavor pickles, etc.

FENNEL. Very aromatic and fine for flavoring.

HOREHOUND. Fine tonic properties, valuable for cough remedies.

HYSSOP. Valuable for medicinal purposes; the dried flowers make Hyssop tea.



PURPLE TOP WHITE GLOBE TURNIP

LAVENDER. Highly esteemed aromatic herb, with a delightful fragrance.

MARJORAM. Sweet, one of the most largely used herbs for seasoning.

PENNYROYAL. Well known and popular.

PEPPERMINT.

ROSEMARY. An aromatic herb, sweet scented.

SAVORY. Summer, excellent for seasoning.

SAVORY. Winter, excellent for seasoning; for winter use.

SAGE. The leaves and tender tops are largely used in stuffing and in sauces.

SORREL. Large leaves used like spinach.

THYME. For seasoning; the most popular of all herbs.

WORMWOOD. Of great value for its medicinal properties.

PLANTS OF HERBS. We can supply plants of many varieties of Herbs. See special list under Plants in back of catalogue.

All seeds quoted at less than 50c per oz. we will supply at 10c per pkt.; those quoted at 50c and upwards at 15c per pkt.

Morris & Snow's Special Collection Offering

We do not have any 5c packets of seeds as we cannot afford to cut either the quantity or quality of the seeds in the packets. We are, however, making the following special offer.

For \$1.00 we will send, postpaid, the following fifteen packages of our Pedigreed Vegetable Seeds as listed below:

BEANS. Stringless Green Pod.

BEEF. Crosby's Egyptian.

CABBAGE. Cannon Ball.

CARROTS. Chanteney.

CORN. Oregon Evergreen.

CUCUMBER. Klondyke.

LETTUCE. Los Angeles Market.

MELON (Musk). Tip Top.

MELON (Water). Klondyke.

ONION. Yellow Bermuda.

PARSNIPS. Hollow Crown.

PEAS. Stratagem.

RADISH. Crimson Giant.

SQUASH. White Scalloped Bush.

TURNIP. Purple Top.

Collections are not included in our coupon order blank offer. Take advantage of it when ordering other seed packets.

M. & S. Pedigreed Tree and Shrub Seeds

All seeds quoted at less than 50c per oz. we will supply at 10c per pkt.; those quoted at 50c and upwards at 15c per pkt.

ABELIA GRANDIFLORA. A garden hybrid. Free-flowering shrub with small, opposite, glossy green leaves. Flowers are tabular, almost an inch long, white flushed lilac pink. The large ruddy sepals remain after the flowers fall, adding to the showy effect all summer. Pkt. 15c.

ACACIA ARMATA. "Prickly Acacia." Much used for hedges; good for the sea coast. Height 15 feet. Oz. 75c.



ACACIA MELANOXYLON

ACACIA BAILEYANA. The well known Cootanundra Silver Wattle. A handsome tree with glaucous green foliage; one of the most beautiful of the Acacia and highly recommended. Oz. 50c; lb. \$5.00.

ACACIA CULTRIFORMIS. "Knife-leaved" Acacia. A distinct and beautiful species of shrub with glaucous green leaves about $\frac{3}{4} \times \frac{1}{2}$ inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 feet. Oz. 50c; lb. \$5.

ACACIA DEALBATA. "Silver Wattle." Very ornamental. Height 30 feet. Oz. 40c; lb. \$4.

ACACIA ELATA. A most rapid growing tree with yellow flowers, tree attaining a height of 60 feet; very ornamental and fine form, wood useful furniture and cabinet work. Oz. 75c.

ACACIA DECURRENS. Green or Black Wattle. A medium sized tree of rapid growth. Very useful for windbreak. Also very rich in tannin; wood is valuable for fuel and for turners' and coopers' work. Height 40 feet. Oz. 50c; lb. \$5.00.

ACACIA FLORIBUNDA. Ornamental with very abundant handsome flowers; valuable for lawns, parks, cemeteries, etc. Height 25 feet. Oz. 40c; lb. \$4.

ACACIA LATIFOLIA. A handsome shade tree, succeeding especially well near the sea coast. Leaves broad, yellow flowers. Height 10 feet. Oz. 40c; lb. \$4.00.

ACACIA LOPHANTA. Abizzia Lophanta. Cape or Crested Wattle. One of the most rapid growing trees for first temporary shelter, succeeding in the most desolate places. Height 45 feet. Oz. 40c; lb. \$4.00.

ACACIA MELANOXYLON. "Blackwood." In sheltered irrigated glens, this tree will reach a height of 80 to 100 feet, with the trunks several feet in diameter. This is the tree so universally grown in Los Angeles as a street tree. The timber is very valuable for cabinet makers' work. Oz. 40c; lb. \$4.00.

ACACIA MOLLISSIMA. An abundant blooming tree; very ornamental, suitable for lawns or shrubbery. Height 25 feet. Oz. 40c; lb. \$4.00.

ACACIA PODALYRIOFOLIA. One of the fine new varieties for first time offered in seed here. Specimen plants in Pasadena have caused a big demand for the seed. Tree of striking blue color, medium size. Pkt. 25c.

ACACIA PYENANTHA. "Golden Wattle." Of rapid growth doing especially well near the sea coast, and containing quantity of tannin. Height 40 feet. Oz. 40c; lb. \$4.00.

ACACIA SALIGNA. A small tree of weep-habit, very ornamental. Height 25 feet to 30 feet. Oz. 40c; lb. \$4.00.

ACACIA MYRTIFOLIA. A beautiful small growing tree with myrtle leaves. Pkt. 25c.

ACACIA PINIFOLIA. A small growing tree of spreading habit. Fine pin-like leaves. Pkt. 25c.

ACACIA VERTICILLATA. One of the finest varieties of the whole list. Very small foliage. Rare. Pkt. 25c.

ACACIA CUERNE DE VACA (Cow's Horn). A curiosity from Mexico. A plant sent us by Mr. John Spence and presented to Mr. Huntington is probably the first plant to be grown in California. The tree is virtually a mass of great horns, forming in pairs, which never shed off, some measuring 7 to 8 inches across the pair. The most curious novelty we have seen in thorny plants. The general appearance of the plant and flower is strikingly like *Acacia Farnesiana*, says Mr. Spence, and is found growing in its wild state among them. Pkt. 15c.

ANDROMEDA JAPONICA (Pieris). Snow-Berry. Makes a very desirable shrub for hardy border, when used with *Cotoneaster*, etc. White berries. Pkt. 10c; 40 oz.

BAUHINIA ACUMINATA. A fine flowering tree of branching habit; flowers white; hardy in most places. Very showy in bloom. Pkt. 25c.

BAUHINIA PURPUREA. A shrub or small tree bearing large beautiful flowers of a reddish purple streaked with white. Pkt. 15c.

BERBERIS AQUIFOLIUM (Oregon Grape). Four feet. A beautiful shrub with glossy, prickly leaves and yellow flowers followed by berries of a purplish-black color. Pkt. 10c; oz. 40c.

BERBERIS DARWINNI. 3 to 4 feet. Leaves prickly as the preceding variety, but smaller, while the plant has somewhat of a drooping habit. In the spring is covered with mass of yellow flowers. Pkt. 25c.

BRACHYCHITON ACERIFOLIUM. "Flame Tree" of fine sturdy pyramidal growth with large handsome foliage producing masses of scarlet flowers. Height 45 feet. Pkt. 15c; oz. 75c.

BUDDLEIA VARIABILIS. A very rank, strong growing shrub of semi-climbing nature. Very showy, lilac-colored flowers. Pkt. 15c.

CALIFORNIA LIVE OAK (*Quercus agrifolia*). A familiar sight in our California landscapes, which adds so much to its beauty. Pkt. 10c; oz. 40c.

CALLISTOMON RIGIDUS (Bottle Brush). A fine shrub with leathery leaves and flowers of brush-like appearance and bright red. Pkt. 15c.

CALITRIS ROBUSTA (Cypress Pine). An Australian tree attaining only small size in California. Makes a very dense growth and is extremely ornamental. Pkt. 15c; oz. 75c.

CAMPHORA OFFICINALIS (Camphor Tree). A tree from which the camphor is distilled; well known in California. Pkt. 10c; oz. 30c; lb. \$3.00.

CASSIA ARTEMISIOIDES. A glaucous blue shrub, of same character as *Grevillea Thelemanniana*. Fine for hedging or bordering groups. An early spring bloomer producing a mass of yellow flowers. Pkt. 15c.

CASSIA TOMETOSA. A rather tall growing shrub bearing yellow flowers and blooming all through the winter months. Pkt. 10c; oz. 50c.

CASUARINA EQUISETIFOLIA. "Beefwood." Wood very durable for underground piles and jetties. Height 150 feet. Pkt. 15c; oz. 75c.

CASUARINA STRICTA. "Erect She Oak." A beautiful shade tree; valuable for fuel. Height 60 feet. Pkt. 15c; oz. 75c.

CATALPA SPECIOSA (Hardy Catalpa). 50 feet. Deciduous. The well known tree with large leaves and white flowers. Pkt. 10c.

CEDRUS ATLANTICA. Mt. Atlas Cedar. North Africa. Seventy-five feet. Large, pyramidal, open tree. Leaves very slightly glaucous. The hardest species. Oz. 75c.

CEDRUS DEODARA. "Himalayan Cedar." A noble and beautiful evergreen of pyramidal form, foliage bluish green, graceful and drooping. One of the finest trees on the Pacific Coast. Pkt. 10c; oz. 50c; lb. \$5.00.



CEDRUS DEODARA

CEDRUS LIBANI. "Cedar of Lebanon." A most beautiful evergreen for lawn decoration. Pkt. 10c; oz. 50c; lb. \$5.00.

CERATONIA SILIQUA. "St. John's Bread." The Carob or Locust Tree of Scripture, with yellow flowers and edible saccharine pods, which are very fattening. Height 30 ft. Pkt. 10c; oz. 40c.

CERASUS LUSITANICUS. (Portugal Laurel.) A large shrub of spreading habit, with large dark green glossy foliage. Pkt. 10c; oz. 40c.

CINNAMOMUM PEDUNCULATUM. (Cinnamon Tree of Commerce.) A tall spreading tree somewhat resembling the Camphor. Pkt. 10c; oz. 50c.



CRAETAGUS BERRIES

CHORIZEMA ILICIFOLIA. A small shrub that is half inclined to climb. Has small undulated prickly foliage and flowers in the winter time of orange, scarlet and yellow which completely envelop the bush. Pkt. 25c; per 1000 \$6.00.

COPROSMA BAUERI. A shrub growing 5 to 10 ft. with thick shiny leaves, being so glossy that they appear to be varnished. Pkt. 25c; oz. \$1.50.

CORONILLA GLAUCA. A very pretty small shrub of the pea family with silver foliage and yellow flowers. Pkt. 15c.

Cotoneasters are all shrubs somewhat resembling the Craetagus or Burning Thorn (so well known to everyone by their display of red berries in the Fall and Winter), the main distinction seeming to be in their lack of thorns and in the different colored berries of the numerous varieties.

COTONEASTER MICROPHYLLA. (Small leaf.) An elegant small trailing shrub with bright red berries. Similar to *C. Horizontalis*, but brighter berries. Pkt. 10c; oz. 40c.

COTONEASTER PANNOSA. A splendid variety, producing great quantities of red berries through fall and winter. A rare variety from China, 8 to 12 ft. Makes a fine hedge plant. Pkt. 10c; oz. 40c.

COTONEASTER AUGUSTIFOLIA. Upright grower, 6 to 8 ft. Extremely attractive shrub. Berries orange scarlet. Pkt. 10c; oz. 35c.

COTONEASTER BUXIFOLIA. Small evergreen shrub—and during fall and winter completely covered with red berries; very ornamental. Pkt. 10c.

COTONEASTER FRANCHETTI. Similar to the *pannosa* in the habit of growth, not quite as tall growing. Large yellow berries, gray foliage. Pkt. 10c.

COTONEASTER HORIZONTALIS. A decumbent shrub, never growing very tall, but trails over ground or rocks; very useful for covering banks, rock-work, etc. During fall and winter is covered with red berries. Pkt. 10c.

CRATAEGUS LELANDI. The most prolific bearer of beautiful orange berries, that hang in great clusters over the entire bush from late summer to the last of February. Pkt. 10c.

CRATAEGUS OXYCANTHA. English Hawthorn. A splendid hardy evergreen shrub—in fall covered with fiery colored berries. Pkt. 10c; oz. 40c.

CRATAEGUS CRENULATA. An excellent tall growing shrub bearing white flowers in the spring, followed in the fall with clusters of bright red berries. Pkt. 10c.

CRATAEGUS PYRACANTHA. "Evergreen Thorn" or burning bush. Very ornamental shrub; perfectly hardy. Pkt. 10c.

CRATAEGUS YUNNANENSIS. 8 to 10 ft. Thicker foliage, red berries. November and December. Pkt. 10c; oz. 50c.



CUPRESSUS ARIZONICA

CRYPTOMERIA ELEGANS. "Fine-leaved Japan Cedar." Foliage glaucous green, resembling a feathery *Araucaria*, which in winter turns to reddish brown. Height 50 feet. Pkt. 10c; oz. 50c.

CRYPTOMERIA JAPONICA. "Japan Cedar." A splendid conifer for isolated situations on lawns. Height 75 feet. Oz. 30c; lb. \$3.00.

CYPHOMANDRA BETACEA (*Solanum Betaceum*). Tree Tomato. A semi-tender small tree, with egg-shaped fruit with tomato flavor. To save confusion, order by botanical names—as there are other Tree Tomatoes. Pkt. 10c.

CHAMAECYPARIS LAWSONIANA. "Lawson's Cypress." A native variety found in northern California and Oregon. Wood white, fragrant and close grained. Generally known as Oregon or White Cedar. Height 100 feet. Oz. 35c.

CUPRESSUS ARIZONICA. 75 feet. Blue Cypress of Arizona. A tree with very silvery foliage and extremely hardy, resisting a great degree of both heat and cold. Pkt. 10c; oz. 50c.

CUPRESSUS MACROCARPA. "Monterey Cypress." Too well known to need description. Useful for hedges and windbreaks. Height 80 feet. Oz. 35c.

CUPRESSUS SEMPERVIRENS. Var *Fastigiata*. "Italian Cypress." The well known tree, growing tall and slender, used so extensively in formal gardens. A European variety, very long lived and the wood of which is almost imperishable. Height 70 feet. Oz. 35c.

CRAPE MYRTLE (Crimson and White). Words fail to convey an adequate idea of the beauty of this shrub. They succeed best in a warm section and blossom for a long period; the flowers have curiously crumpled petals. Pkt. 10c.

CYTISUS LABURNUM. "Golden Chain." Shrub, 8 to 10 ft., which produces in great profusion long panicles of yellow flowers. Pkt. 10c.

DIOSMA ALBA (Breath of Heaven). A handsome little shrub, with heath-like foliage and small, white, star-shaped flowers. The leaves when bruised emit a sweet perfume. Pkt. 15c.

DAUBINTONIA GRANDIFLORA (*Sesbania*). Red flowered *Acacia*. A very striking shrub or small tree, blooming very early from seed, often coming into flower the first year and thereafter a very free bloomer, almost ever-blooming. A very satisfactory plant. Pkt. 10c.

DURANTA PLUMIERI. Shrub 6 to 10 ft.; very hardy and ornamental; covered in fall and winter with yellow berries. Pkt. 10c.

EUCALYPTUS CITRIODORA. (Lemon-scented Gum.) A useful timber; delightfully scented leaves. Oz. \$1.50; pkt. 15c.

EUCALYPTUS FICIFOLIA. "Scarlet Flowered Gum." The most ornamental of the family. Flowers bright crimson, produced well above the foliage; one of the most effective trees in cultivation. Height 20 feet. 25 seeds 25c; per 100 seeds 75c.

EUCALYPTUS GLOBULUS. "Tasmanian Blue Gum." Well known; one of the most useful of all and a very rapid grower; planted largely in warm countries on account of its malaria-destroying qualities. Remarkably good for fuel. Height 150 feet. California saved seed. Oz. 75c; lb. \$7.50.

EUCALYPTUS RUDIS (or Desert Gum). One of the varieties that has succeeded remarkably well in the desert region, standing heat and cold very well. 75c per oz.



EUCALYPTUS VIMINALIS

EUCALYPTUS VIMINALIS. "Manna Gum." A hardy rapid-growing variety, and well suited for exposed situations. On rich soil it grows to a gigantic size. The wood may be used for ordinary building purposes; also for fuel. The young bark and leaves yield the Australian Manna. Height 300 feet. Oz. 75c.

EUGENIA MYRTIFOLIA. "Brush Cherry." Excellent shrub of easy culture; of erect and compact growth. Foliage glossy green. The new growth takes on a reddish hue, which gives it a unique appearance. Flowers myrtle-like. Fresh seed in December. Pkt. 15c; oz. 75c.

ERYTHRINA CRISTA GALLI. "Coral Tree." A small half-tender tree, blooming in terminal clusters of coral red flowers; very striking. Height 25 ft. Pkt. 25c.

FATSIA SEIBOLDI (Aralia). Shrub with stout stem. Leaves thick and smooth. Very dark green. One of the best. Pkt. 15c.

FICUS AUSTRALIS. "Australian Banyan Tree." A fine evergreen tree; very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts they should be sheltered until they are several years old and well established. Pkt. 15c.

FICUS MACROPHYLLA. "Moreton Bay Fig." Magnificent ornamental shade tree, with large bright glossy green leaves. Per pkt. 15c.

FABIANA IMBRICATA. Peru. Ten feet. Erect-growing shrub with heath-like foliage; quantities of white, funnel-shaped flowers in summer. Pkt. 25c.

GENISTA CANARIENSIS. Canary Island Broom. A fine yellow flowered shrub. very effective planted in groups. Pkt. 15c.

GENISTA FRAGRANS. Ten feet. A most desirable spring-flowering plant, producing its fragrant, bright, golden-yellow flowers in the greatest profusion. More spreading and bushy in growth than the preceding. Pkt. 15c.

GENISTA MONOSPERMA PENDULA. (Bridal Veil.) A new flowering broom which when in flower is a wonderful sight, being a mass of white. Pkt. 15c.

GENISTA ANDREANA. The Crimson and Gold Broom. A charming new variety of the Broom family, forming a handsome bush. The wings of each flower are rich crimson, the contrast being most effective and pleasing. A good proportion of the seedlings come true. Pkt. 15c.

GREVILLEA ROBUSTA. "Silky Oak or Australian Fern Tree." A well known shade tree with fern-like foliage and of orange flowers; of rapid growth. Oz. 75c; pkt. 15c.

GREVILLEA THELEMANNIA. Beautiful evergreen shrubs having fine feathery foliage and producing throughout the summer clusters of brilliant scarlet flowers, borne on the ends of the branches. Pkt. 15c; oz. 75c.

HAKEA LAURINA. (H. Eucalyptoides.) A shrub 10 to 12 feet in height, bearing red flowers which grow out of and encircle the branches at intervals. Pkt. 25c.

HAKEA SALIGNA. Willow Hakea. Australia. Ten feet. Similar to the preceding, with leaves narrower. Clusters of small white flowers. Pkt. 25c.

HAKEA SUAVEOLENS. (H. Pectinata.) A shrub from 10 to 12 feet, making a dense growth and bearing white flowers. Pkt. 25c.

JACARANDA MIMOSAEOFOLIA. "Brazilian Jacaranda." A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. In pods containing from 30 to 40 seeds. Per pod 5c.

JUNIPERUS VIRGINIANA. (Red Cedar.) A well known American tree. Height 50 ft. Oz. 50c; lb. \$5.00.

JUNIPERUS BERMUDIANA. Of pyramidal growth and bluish-green foliage. Makes a fine specimen tree. Height 40 ft. Pkt. 50c; lb. \$5.00.

JUNIPERUS SABINA. (Var Prostrata.) A trailing variety, very largely used among rockery. Pkt. 10c; lb. \$3.50.

LAGERSTROEMEA INDICA. "Crape Myrtle." A small tree making a wonderful showing in the summer time with its mass of rose pink bloom. Pkt. 15c.

LIBOCEDRUS DECURRENS. "California Red Cedar." A very handsome tree, native of the Coast range from San Diego to Oregon. Some fine specimens may be seen in Santa Barbara. Height 100 feet. Oz. 50c; lb. \$5.00.

LAGUNARIA PATERSONI. A small tree blooming in spring; large lavender pink flowers, closely related to the Bignonia. Pkt. 10c.

LEONOTIS LEONURUS. "Lion's Tail." Shrub 3 to 5 ft., blooming greater part of year. Long spikes of orange yellow flowers. Pkt. 10c.

LEPTOSPERMUM LAEVIGATUM. A beautiful shrub of pendulous habit succeeding well in any situation and bearing white flowers in spring in great masses. Pkt. 25c.

LIGUSTRUM JAPONICUM. "Japan Privet," or large leaved Privet. One of the best hedge plants. Oz. 25c; lb. \$2.00.

LIGUSTRUM NEPALENSE. (Small Leaved Privet.) Universally used all through this country as a hedge plant. Oz. 25c; lb. \$2.00.

LAURISTINUS. See Viburnum.

LONICERA TATARICA. Tree Honeysuckle. A fine shrub. Pkt. 25c.

MAGNOLIA GRANDIFLORA. "Large Flowering Magnolia." A native of the Southern states where its presence indicates good soil. Height 100 ft. Its enormous white flowers make it familiar to almost everyone. Oz. 30c; lb. \$3.00.

MAHONIA AQUIFOLIUM. Oregon Holly-grape. British Columbia to California. Six feet. Medium-sized shrub with dark green leaves, changing to coppery purple during winter. New growth green and extremely glossy. Flowers in erect, bunched racemes, followed by a profusion of dark blue fruit. Pkt. 15c.

MELALEUCA ERICIFOLIA. (Bottle Brush.) A shrub of good size with small narrow leaves and flowers somewhat resembling those of *Callistemon rigidus*, but smaller and of a yellowish white. Pkt. 10c.

MELALEUCA HYPERICIFOLIA. (Bottle Brush.) Quite similar to *M. Ericifolia*, but with bright red flowers. Pkt. 10c.

MELALEUCA NESOPHILA. (Bottle Brush.) Of somewhat spreading habit and flowers of pale lilac. Pkt. 10c.

MELALEUCA LEUCADENDRON. (Silver Bark.) Bottle Brush, 20 to 30 ft., with white bark, in thick layers. Very ornamental. Pkt. 10c.

MELIA AZADARACH UMBRACULIFORMIS. "True Texas Umbrella Tree." A very rapid grower, with long pinnate leaves and wood of a reddish color, resembling ash, durable and makes excellent fuel. Thrives in dry soil. Valuable for avenue planting. Height 40 feet. Oz. 20c; lb. \$2.00.

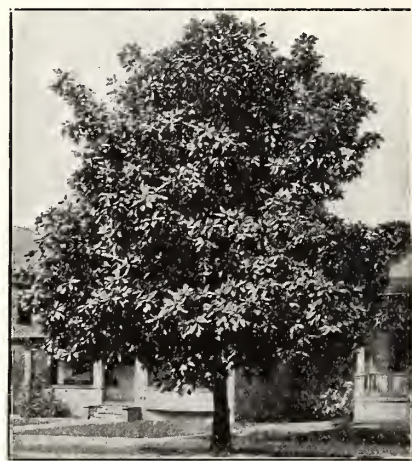
MYRTUS COMMUNIS. "Common Myrtle." A small shrub with glossy, sweet scented foliage, and white flowers. Used largely as a hedge plant. Pkt. 10c.

NANDINA DOMESTICA. A low growing shrub, 4 to 6 ft., with foliage which when young is red, later turning green and in the fall turning to autumn tints, and bearing large clusters of bright scarlet berries. Pkt. 25c; oz. \$1.00.

POLYGALA DALMAISIANA. South Africa. Four feet. Garden hybrid. Probably the most continuous blooming shrub we have, as it is never without flowers and most of the time is nearly covered. Flowers magenta-pink, tipped with a little white. Pkt. 15c.

PARKINSONIA ACULEATA. A very thorny small tree, very attractive as lawn specimen; native of No. Mexico; very hardy. Pkt. 10c.

PHOTINIA (HETERAMELES) ARBUTIFOLIA. California Holly. Pkt. 10c.



MAGNOLIA GRANDIFLORA

PINUS COULTERII. "Big Cone Pine." A fine native tree, of very robust growth, with bluish gray needles a foot in length. Has the largest cones of all pines. Height 75 ft. Oz. 50c; lb. \$5.00.

PINUS INSIGNIS. (Monterey Pine.) Makes very rapid growth and succeeds well in any kind of soil. Height 100 ft. Oz. 50c; lb. \$5.00.

PINUS MARITIMA. (Seaside Pine.) Well adapted for planting near the sea. Oz. 50c; lb. \$5.00.

PINUS HALEPENSIS. A fine street pine. A stately, straight and valuable tree. Height 100 ft. Oz. 50c; lb. \$5.00.

PINUS TORREYANA. One of the most beautiful of our native pines. A fine specimen may be seen in cultivation in the Hotel Green grounds at Pasadena. Height 50 ft.; oz. 50c; lb. \$5.00.

PINUS CANARIENSIS. (Canary Island Pine.) Very robust and hardy with bright green foliage. Grows nearly as fast as the "Monterey Pine." Height 100 ft. Oz. 50c; lb. \$5.00.

PITTOSPORUM TOBIRA. Shrub seldom over 8 to 10 ft., of dark silver green foliage and spreading habit. Pkt. 10c.



JACARANDA MIMOSAEOFOLIA

PITTOSPORUM RHOMBIFOLIUM. One of the finest of the class. Very well adapted to street planting. White flowers, very sweet scented, followed by masses of bright orange berries in the fall, which when open, show a coal black seed. 12 to 20 feet. Pkt. 15c.



PINUS INSIGNIS (MONTEREY PINE)

PITTOSPORUM CRACIFOLIUM. Small tree, 12 to 20 feet, having gray foliage and large green seed pods. One of the best for planting close to the ocean. Pkt. 10c.

PITTOSPORUM UNDULATUM. One of the most common of the class; very ornamental and satisfactory as specimen for lawn, or as small street tree. Dark shiny green leaves and in fall covered with orange berries. Pkt. 10c.

PITTOSPORUM PHILLYRAEODES. A large shrub or small tree with long, narrow leaves and weeping habit, giving much the same appearance as a weeping willow. Small yellow fragrant flowers, followed by yellow fruit. Pkt. 25c; oz. \$1.00.

PITTOSPORUM EUGENIODES. 20 ft. Small foliage of beautiful shade of green. Tree is of pyramidal growth and makes an excellent specimen for lawn or shrubbery border. Pkt. 25c.

PITTOSPORUM NIGRICANS. Australia. Small tree or shrub of symmetrical, upright growth, and light shining green foliage. Particularly remarkable for its black flowers. Pkt. 15c; oz. 50c.

POINSIANA (Bird of Paradise Flower). Lacy leaves. Beautiful colored flowers. Can be used for pot plant or outside. Pkt. 15c.

PRUNUS INTEGRIFOLIA. "Catalina Cherry." 12 to 15 ft. One of our finest native shrubs. It is perfectly at home in any kind of soil or location and with its glossy green foliage and bush growth is indeed a thing of beauty. Oz. 20c.

PRUNUS CAROLINIANA. "Carolina Cherry." A tall shrub of pyramidal growth and bright green foliage. A fine tree for parkways. Pkt. 10c.

PUNICA GRANATUM NANA. Dwarf Pomegranate. Bears attractive scarlet flowers throughout the season, followed by bright red fruits, presenting a most beautiful and striking appearance. May be grown in containers. Pkt. 25c.

ROBINIA PSEUDO-ACACIA. Yellow or black Locust. Well known in this section. Valuable for fuel and timber. One of the best trees with which to plant timber claims. Height 60 feet. Pkt. 15c; oz. 85c.

SNOWBALL. Produces large, globular pure white flowers in great luxuriance. Pkt. 15c.

SPARTIUM JUNCEUM. "Spanish Broom." Shrub 8 to 10 ft., which in early spring is covered with yellow pea-shaped flowers; very hardy. Pkt. 10c.

SPARTIUM SCOPARIUM. "Scotch Broom." Hardy shrub, 8 to 10 ft.; in spring covered with large yellow flowers. Pkt. 10c.

SPARTIUM MULTIFLORUM ALBUM. "Portugal Broom." A shrub with white pea-shaped flowers growing to 8 feet in height. Pkt. 10c.

SCHINUS MOLLE. "Mexican Pepper Tree." A well known handsome shade tree, with light feathery foliage, and bright scarlet berries. Height 50 ft. Oz. 10c; lb. \$1.00.



STERCULIA—BOTTLE TREE

SEQUOIA GIGANTEA. "California Big Tree." The biggest of all trees and probably the most long lived. Specimens are often found 400 feet high. Pkt. 25c.

SEQUOIA SEMPERVIRENS. "California Redwood." Well known. Wood reddish, soft, close grained, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Height 300 ft. Oz. 50c; lb. \$5.00.

STERCULIA DIVERSIFOLIA. A handsome tree of erect symmetrical growth with a very heavy trunk. The leaves are very curious in shape, some being poplar like, others ivy shape, and others slightly or deeply cut. Oz. 40c; lb. \$4.00.

STRELITZIA REGINAE. Bird of Paradise or Paradise Lily. South Africa. Four feet. Dark green leathery foliage and producing interesting curiously-shaped orange and purplish-blue flowers. Seed 10c each; \$7.50 per 100.

THUJA OCCIDENTALIS. "American Arbor Vitae" or "White Cedar." A common and well-known tree. Native of the Atlantic states. Height 50 feet. Oz. 50c; pkt. 10c.

TAMARIX GALICA. A shrub or small tree with very fine foliage, bearing a mass of very minute pink flowers which gives the impression of a pink cloud at a distance. Well adapted for growing upon salt land or near the coast. Pkt. 15c.

THUYA ORIENTALIS. (Biota Orientalis.) "Chinese Arborvitae." A tree of pyramidal growth and dense foliage growing to a height of 25 ft. largely used as specimen plants on lawns. Pkt. 10c; oz. 50c.

THUYA ORIENTALIS AUREA. "Golden Arborvitae." Similar to preceding variety, but grows only to a height of 10 ft. and has a decided golden tinge in the spring. Pkt. 10c; oz. 50c.

THUYA ORIENTALIS COMPACTA. Identical with T. Orientalis but very dwarf and compact. Pkt. 10c; oz. 50c.

THUYA AUREA SEMPER-AUREA. "Ever Golden Arbor Vitae." Dwarf habit and free growth. Retains its golden color the year round. One of the prettiest dwarf evergreens. Height 4 feet. Oz. 50c; lb. \$5.00.

UMBRELLA. See "Melia."

VIBURNUM TINUS. "Laurustinus." One of the finest winter flowering shrubs, blooming abundantly during the winter. Also a valuable hedge plant. Oz. 50c; pkt. 10c.

VERONICA SPICATA. Hardy perennial herbaceous plant. Bright blue flower. Pkt. 10c.

VERONICA IMPERIALIS. Four feet. Growth strong and rather spreading. Leaves large, dark green, with purple margins and midribs. Flowers amaranth red. Very fine. Pkt. 15c.



VERONICA

WIGANDIA. (Fine Mixed.) These are exceptionally large leaved ornamental plants growing from 10 to 15 ft. high, of very tropical appearance. The foliage is large and serrated. Flowers in terminal clusters of light blue. Pkt. 10c.

WEIGELIA ROSEA. Elegant shrub from Japan; they produce superb large, trumpet-shaped flowers of a fine rose color. Pkt. 25c.

Palm and other Decorative Plant Seeds



GROUP OF PALMS

CHAMAEROPS EXCELSA. "Hardy Fan Palm." This palm grows to the height of from 20 to 30 feet; leaves fan-shaped; trunk enclosed by dense mass of rough fibres. Native of the East Indies. Oz. 15c; lb. \$1.50.

CHAMAEROPS HUMILUS. "Dwarf Fan Palm." An extremely handsome plant. Native of Southern Europe. Oz. 20c; lb. \$2.00.

COCOS. An elegant genus of a noble order, many species of which grow to majestic proportions.

COCOS AUSTRALIS. "Brazilian Palm." One of the hardiest of all palms, harder than even the Date Palm; withstanding, unprotected, a cold at which oranges or lemons are injured or destroyed. Per 10 seeds, 15c; 100, \$1.00.

COCOS CAMPESTRIS. A hardy, handsome variety; well suited for open air planting, is one of the most desirable of pinnate-leaved palms. Per 10 seeds, 20c; 100, \$1.50.

COCOS PLUMOSA. This species attains considerable size, rising upon a stout straight slender stem some 40 or 50 feet. This is the variety that has been so extensively planted in and around Los Angeles of recent years and so generally admired. Native of Brazil; does well out of doors in this climate. Per 10 seeds, 15c; per 100, \$1.25.

DRACAENA AUSTRALIS. (Cordylina.) A palm-like tree growing to a considerable height; the stem is stout, leaves from 2 to 3 feet in length, oblong, lanceolate, and bright green, splendid for avenues. Native of New Zealand. Per pkt. 10c; per oz. 50c.

DRACAENA INDIVISA. (Cordylina Indivisa.) Sometimes called *Dracaena stricta*. A most graceful palm-like tree, suitable for decoration either in or out of doors. Fine for avenues. Native of New Zealand. Per oz. 35c; per lb. \$3.50.

ERYTHEA EDULIS (*Brahea Edulis*). A fine growing variety from the Guadalupe Islands. Fan-shaped leaves, bright green. Hardy. Per 10 seeds, 15c; per 100, 75c.

MUSA MARTENI. A new very ornamental Banana from Africa. Highly recommended. 10 seeds 10c.

MUSA ENSETA. "Abyssinian Banana." Native of the mountain regions above Abyssinia. This magnificent plant attains a height of 30 feet. The leaves occasionally reaching the size of 20 feet in length, by three feet in breadth. 10 seeds 15c.

PHOENIX CANARIENSIS. A beautiful and very hardy variety of the date palm, so much used around Los Angeles for lawns. Very handsome and much admired by newcomers. 10 seeds 10c; per 100, 50c.

PHOENIX DAETYLIFERA. The Date Palm; is an erect, handsome palm. Native of Northern Africa and Tropical Asia, where the palm attains a height of 80 feet. Lives to a great age, and yields the date fruit of commerce, hardy. Oz. 20c; lb. \$2.00.



COCOS PLUMOSA

PHOENIX RECLINATA. A very fine, low-growing species of the date palm, from 15 to 20 ft. in height. A very graceful palm and better suited for parkway planting and small grounds than the other varieties of Phoenix. Largely used in Nice, Cannes, and in the south of France for avenues; also the best for that purpose here, as it will stand severe frosts. A native of the Cape of Good Hope. 10 seeds 15c; per 100 \$1.00.



DRACAENA INDIVISA

SEAFORTHIN ELEGANS. One of the most beautiful of the palm family, and one of the finest subjects in cultivation for the conservatory, green-house or subtropical garden. Height 20 feet. Leaves from 2 to 10 feet in length, dark green. It stands quite a low temperature. Native of New South Wales. 10 seeds 15c; per 100 \$1.00.

WASHINGTONIA FILIFERA. The well-known California Fan Palm, which also goes under the names of *Pritchardia filamentosa* and *Brahea filamentosa*; very hardy. Per oz. 20c; per lb. \$2.00.

WASHINGTONIA ROBUSTA. A robust Fan Palm, similar to *Washingtonia filifera*, but much finer and darker green leaves, without the filaments that are present on the preceding variety. Per oz. 25c; per lb. \$2.50.

If you desire large quantities of any of the above palm seeds, send for our Nurserymen's wholesale list.

Cover Crop and Forage Plant Seeds

Cover Crops

COVER CROPS. It is as important to use a legume for a cover crop for Green Manuring, in orchards as it is to rotate crops in general farming and gardening. By sowing a cover crop you get nitrogen and humus in the best way as well as the cheapest. Legumes are the cheapest fertilizers and they give the soil plant food in the most available condition. We carry cover crops seed in variety at prices subject to market changes. In asking for quotations always state the quantity wanted.

MELILOTUS (indica). Yellow Sweet Clover. This is very highly recommended by the Government experts for cover crop and is being used more each year with great success. It has an upright growth. Per lb., postpaid, 25c. Write for prices in quantities.

MELILOTUS ALBA. I have come to the conclusion that, except on sandy soils, it is better to broadcast the seed than to drill it. This is especially true where there is alkali. Sweet-clover should be very close to the surface. A light harrowing or dragging with a light brush drag, will mix the seed with the soil sufficiently for germination. It is better, too, to sow the seed in the fall and let the rains bring it up. It gets a better start that way. Melilotus alba is being recognized more and more each season as a valuable soil renovator. Because of its large and extensive root system penetrating deep into hard subsoil, there decaying, permits moisture to enter and break up the hard-pan that plowing may become deeper and more thorough. These roots have gathered nitrogen and add much humus, all of which is essential to building up new or run-down soil. Melilotus has other uses in soil renovating; it will grow in alkali soil and reclaim it. It will eradicate Bermuda and Johnson grasses; therefore, if you have any land that will be benefited by Melilotus alba by all means plant it. Per lb. 35c; 10 lbs. \$3.00, postpaid. Write for quantity price.

CANADIAN FIELD PEA. When it is too late to plant vetch or Melilotus plant Canadian Peas. They may be planted as late as January and yet be plowed under in time for planting a summer crop. If your summer crop, like melons and potatoes are not harvested until November, plant Canadian Peas. Neither is the Canadian Pea inferior to other cover crops when planted at the right time. The right time is from September until February and on any kind of soil. Notice—do not plant just before a rain nor irrigate before they are well above the ground and established. If the soil is too wet after planting the seed will rot. Per lb., 25c; 10 lbs. \$2.00, postpaid. Write for quantity prices.

PURPLE VETCH. The chief value of Purple vetch as compared with the common is the rapid growth making it desirable both for fall and spring planting. The spring planting in citrus orchards prevents the June drop and is in prime for July plowing. It is a legume and therefore it is good fertilizer for the orchard. Per lb. 25c; 10 lbs. \$2.00, postpaid. Ask for quantity price.

VETCH SPRING (Vicia Sativa). It does best when sown by the first of October. Per lb. 25c; 10 lbs. \$2.00, postpaid.

Alfalfa Seed

CHILEAN OR COMMON. This variety has proven so entirely satisfactory to everyone for more than forty years that nothing better was looked for, and is indeed now so thoroughly satisfactory that many will hesitate to believe that any variety of alfalfa can be better. Write to the University Farm, Davis, Cal., and ask for their latest reports concerning Hairy Peruvian alfalfa as compared with the Chilean or Common Alfalfa, or write us for our Alfalfa bulletin. We have often been asked where the seed

which we sell was grown, some being under the impression that alfalfa seed produced in particular sections is preferable, but we have found, through careful investigation, that such is not the case and no certain section is favored in producing superior seed. If the stock is of high germination, free from noxious weed seeds, and true to name, that is the great consideration. Lb. 40c; 10 lbs. \$3.50. Write for quantity price.

HAIRY PERUVIAN. We first offered this variety in 1918. It is hardier and it does produce more hay the first year than the common alfalfa, but it does not endure as well. Many large growers now prefer the common alfalfa. With these comments we offer the Hairy Peruvian Alfalfa to those who may have had better results and yet prefer it. Write for quantity price. A Virginia Bulletin No. 207, page 10, says: "Many failures in growing alfalfa may be attributed to lack of inoculation." Wherever we find successful old fields of alfalfa, if roots are carefully dug up and examined the supply of bacteria nodules will be found to correspond to the vigor and quality of the plant. Lb. 40c; 10 lbs. \$3.50.



SUDAN GRASS

Sudan Grasses

SUDAN GRASS is living up to all the good words sent out about it by its early advocates. It is an annual of quick growth and a very nutritious fodder plant. Plant from the time danger of frost is over until August 15th. Under dry farming conditions sow in drills at the rate of two to four pounds of seed to the acre. Where the ground can be irrigated sow broadcast using fifteen to twenty pounds per acre. The roots are easily eradicated by plowing. 1 lb. 30c; 10 lbs. \$2.50, postpaid.

GIANT SUDAN. This grass, a cross of Sudan and Sorghum, is a wonder in growth and productiveness. Having taken sweetness from the Sorghum, it is very attractive to stock. It is excellent for silage and of high food value. 35c per lb.; 10 lbs. \$2.75, postpaid.

Seed Grain

Write for prices when quantities are wanted. Our grains are specially selected and re-cleaned for seeding purposes. The few cents extra that is paid for our seed grains over the ordinary run of milling grain is made back many fold when the crop is harvested.

BARLEY. Sown for hay and for its grain. The grain is used for brewing, also crushed for stock feed. Sow 75 to 100 lbs. per acre. 2 lbs. postpaid, 25c.

BUCKWHEAT. Used extensively here as a summer cover crop. It is good feed for bees. Sow 35 to 45 lbs. per acre. 1 lb. postpaid 20c. Ask for quantity prices.

OATS. Grown in Southern California almost exclusively for hay and for seed. White oats are used some for poultry feed. Sow 60 to 90 lbs. per acre.

TEXAS RED. Imported (rust proof), best to plant for hay.

TEXAS RED. California grown.

WHITE OATS. California grown. Any variety, 2 lbs. postpaid, 25c. Ask for quantity prices.

RYE (Winter). Sow in Fall for early pasture; also used extensively for cover cropping. Use 60 to 80 lbs. per acre. Postpaid 20c per lb. Write for quantity prices.

Wheat

WHEAT. Sown for hay and grain as early in winter as possible. 80 to 100 lbs. per acre.

DURUM OR MACARONI. Very drought resisting; recommended for semi-arid mesa land.

DEFIANCE. Rust resistant, grown near the coast on that account.

SONORA. Grown extensively in interior valleys.

TURKEY RED. Hard wheat used for milling. 20c lb. postpaid. Write for quantity prices.

Non-Saccharine Grains

Are valuable because of their hardness. They produce fodder and grain with a minimum of moisture.

DWARF MILO MAIZE grows only about four feet high, stools well, has abundance of foliage and a heavy producer of grain. 1 lb. postpaid 25c; 10 lbs. \$1.50.

AMBER CANE OR SORGHUM. Heavy yielder of rich succulent fodder. Per lb., postpaid, 25c. 10 lbs. \$1.50.

EGYPTIAN CORN. Grown extensively for fodder and for its white grain. 1 lb., postpaid, 25c; 10 lbs. \$1.50.

KAFFIR CORN. Grows its heads upright. Per lb., postpaid, 25c; 10 lbs. \$1.50.

FETERITA. Very drought resistant and very heavy grain producer. 1 lb. postpaid, 25c; 10 lbs. \$1.50.

Miscellaneous

BERMUDA GRASS. A hardy creeping grass useful for golf courses, pastures, etc. Very persistent. 10 lbs. will sow an acre. 60c lb.

CRIMSON OR ITALIAN CLOVER (Trifolium Incarnatum). An annual variety, 20 to 30 inches high. Sow from 12 to 15 lbs. per acre, and cut for hay when in full blossom. Lb. 50c.

FLAX SEED. Should be sown in the spring on moist land, using 30 lbs. of seed per acre if grown for a seed crop, or twice that quantity if intended for a crop of fiber. Per lb. 30c; postpaid; 100 lbs. on application.

MILLET, GOLDEN (Panicum Germanicum). Var. Will grow on any good land and yields heavily when artificially watered; yields from 40 to 60 bushels of seed per acre, which is excellent food for stock or poultry. Plant 30 lbs. to acre. Per lb. 20c.

RAPE (Dwarf Essex). A biennial crop used principally for sheep pasture. Is usually sown broadcast on ranges, using 2 to 5 pounds per acre. Per lb. 35c, postpaid 100 lbs. on application.

SUNFLOWER (Large Russian). A variety bearing large heads. Sow in the open field as soon as danger from frost is over, using 3 lbs. of seed per acre, sowing in rows 5 feet apart and thinning to 1 foot. Per lb. 30c, postpaid; quantity prices on application.

Grass and Clover Seeds for Lawns

HINTS FOR MAKING AND CARING FOR LAWNS

The first thing is to have the soil well spaded up and pulverized. On places where soil has been filled in, or places where no crop of any kind has been raised for a number of years, it is advisable to spade up the ground, pulverize it and rake and water regularly, just as if the lawn had been seeded; this will start the seeds of all weeds that have been lying dormant for years, awaiting enough moisture to germinate. If salt grass or devil grass shows up pull it up, every bit of it. It will save lots of work afterward. If soil contains much devil grass it will pay to cart off the whole surface down to about two feet, and haul good loam in its place. If only ordinary weeds come up, spade them under. Repeat the operation about three weeks afterwards. This will bring the soil in fine condition and save much time and money spent on pulling weeds. Use plenty of good seed. Blue Grass one pound for every 200 square feet; Clover one pound for every 250 square feet. If Blue Grass and Clover are used, it is advisable to go over the ground twice, once with Blue Grass and once with Clover. This is done in order to have the Blue Grass and Clover seed uniformly spread all over the surface. Rake the seed in well, and cover very lightly with screened manure. Great care should be taken in selecting manure for lawns; the manure most suitable is horse or cow manure that has been piled up and heated at least 60 days before being used on a lawn. When manure is piled up it begins to heat and seeds of any kind that are mixed in, begin to sprout; the manure gradually increases in heat until it gets so hot that any kind of plant or weed mixed in with it, will burn up.

It has been a practice around Los Angeles for teamsters to go to any corral, screen the manure, load it up and sell it for lawn purposes. This accounts for so many lawns where more weeds than grass come up, and especially for lawns where devil grass predominates. Almost all alfalfa fields in this region have devil grass growing in them. This grass goes to seed about the time alfalfa is high enough to cut; it is fed to the cows and mixed with alfalfa, and is in a perfect state of preservation when picked up with the manure and put on the lawns.

In places where the lawn is steep burlap is used to good advantage to cover the ground after sowing. It not only prevents the surface of the ground from drying, but it keeps the seeds from getting washed out by the frequent waterings that have to be given in such places.

Watering a new lawn must be done with great care. A fine Rose nozzle should be used to apply the water and it should always be done in the evening or morning.

Having had for a great many years personal experience in the making of lawns in this vicinity, we appreciate the fact that good seed is absolutely necessary for starting a lawn. Our Blue Grass Seed is the very best grown in Kentucky, where no trace of salt grass is to be found. Our Clover Seed is free from all weeds.

AUSTRALIAN RYE GRASS. A fine grass for quick lawn; should be sown very thick and will produce a fine lawn, withstanding drought much better than Kentucky Blue and making sod more quickly, but is a little more coarse in its growth. Lb. 40c. Postpaid.

BLUE GRASS (Kentucky). What we have just said concerning clover we repeat in connection with this fine grass. To meet competition many have added mixture to give weight and reduce its cost, and thus are able to sell cheaper. We challenge anyone to show finer or cleaner stock than ours. Ask for price on large amounts. Lb. postpaid, 60c.

BENT GRASS. Mixed. Being of fine texture this grass is most valuable for lawns and ideal for putting-greens. It is of rapid growth and spreading habit, and makes a strong, enduring turf. Best commercial grade. Lb. \$2.50. Write for prices on larger quantities.

BENT GRASS. Cocos Co Bent. This is the original superior strain developed by Dr. Lyman Carrier and which has been adopted by the majority of golf courses throughout the country for their putting greens. During the past few years this grass had to be propagated from Stolons owing to the scarcity of seed, but now we take pleasure in offering this seed at \$2.75 per lb.. Necessary for 1000 sq. ft., 3 lbs.

BERMUDA GRASS (*Cynodon Dactylon*). Is a dwarf perennial plant and spreads by means of its long and many-jointed root-stalks, and for this reason is hard to eradicate once it has secured a foothold. Thrives during the hottest part of the year and will live under water for a long time. Makes a durable lawn and is also used to hold embankments. This grass is much used for lawns about Sacramento. The seed is very slow to germinate and requires heat and moisture. Sow 10 pounds per acre. Lb. 65c; 10 lbs. \$6.00. Write for prices on larger quantities.

CHEWING'S FESCUE. A variety of Hard Fescue, and used by most golf clubs extensively in their mixtures. Forms a compact mat; stems are hard. The grass succeeds well even under poor conditions. A good pasture grass for dry lands. Sow 30 pounds per acre. Lb. 75c. Write for prices on larger quantities.

GERMAN CREEPING BENT. The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Green and lawns; it makes a lasting turf which withstands hard usage. The leaves are fine and it develops a dense growth doing well on all kinds of soil, particularly on poor soils. Also very valuable for pasture grass. Sown in Fall or Spring, 3 to 4 lbs. per 1,000 sq. ft. 1 lb. \$1.70 (by mail \$1.75); 5 lbs. \$8.25; 10 lbs. \$16.00.

PACIFIC LAWN MIXTURE. This contains the more hardy grasses, which are used for quick sod, developing quickly. Possible to mow in 6 weeks after planting. This is a good mixture of quick, perennial, drought-resistant grasses and recommended for dry districts, withstanding hard usage and less care. Lb. 60c; 10 lbs. \$5.50, postpaid.

RED-TOP GRASS, EXTRA RECLEANED SEED (*Agrostis Alba*). Now popular for lawns and golf courses. Heavy solid seed, no chaff. Lb. 60c, postpaid.

ROUGH-STALKED MEADOW GRASS (*Poa trivialis*). Excellent for pastures and meadows, particularly on damp soils. As a lawn grass it forms a fine turf and does well in shaded locations. Sow 20 pounds per acre. Lb. 75c. Write for prices on larger quantities.

SHADY LAWN. A grand grass for sowing under trees, where no other grass will succeed. It makes a beautiful velvety lawn; grows much finer in leaf than Blue Grass and will stand in quite dense shade. Lb. \$1.00, postpaid.

WHITE CLOVER. The best variety for lawn purposes, making a fine, even lawn. There is a great variety of grades of this seed; some adulterations and others impure, which makes a great difference in price. We are procuring at all times the purest that money can buy. Lb. \$1.00. Ask for special price on quantities. Postpaid.

Special Lawn Renovating Offer

Sufficient seed and fertilizer to restore 1000 square feet (20x50 ft.) of run down lawn, namely 4 lbs. of our Pacific Lawn Mixture and 25 lbs. M. & S. Lawn Dressing (total value \$3.65) transportation paid within 150 miles for \$3.00.

Bulbs and Tuberous Rooted Plants

Gladiolus

(DECEMBER TO APRIL)

Postpaid anywhere within fourth postal zone.

CULTURE. Gladiolus are easily grown and with very little attention if planted during their regular season—January to April—but with care they may be planted as late as August with assurance of getting blooms. Set the bulbs about 4 inches deep and 6 to 8 inches apart in any good garden soil. When the plants are a few inches high give an application of well rotted manure or commercial fertilizer applied to top of the ground will aid in producing larger blooms and spikes. Keep the ground moist until the flower spikes begins to appear, then water freely. They flourish best in an open sunny situation. In midseason Gladiolus come into bloom in 4 months from planting the bulbs.

The bulbs we offer are full size and will give the maximum size spikes and flowers. Write for price on quantity.



GLADIOLUS—JACK LONDON

ALICE TIPLADY. Large primulinus of a beautiful orange saffron. 15c each; 75c doz.; \$10.00 per hundred.

AMERICA. Soft lavender pink. Very popular. 10c each; 75c doz.; \$5.50 per 100.

ANNA EBERIUS. Deep crimson. 25c each; \$2.50 per doz.; \$16.50 per 100.

BARON HULOT. A true violet blue, a smaller flower but vigorous grower and one of the best in this color. 15c each; \$1.50 per doz.; \$10.00 per 100.

CHICAGO WHITE. White with lavender markings in throat. 10c each, 75c per doz.; \$5.50 per 100.

BYRON L. SMITH. Light lavender with cream coloring in throat. Resembles a cattleya orchid. 25c each; \$2.50 per doz.; \$10.50 per 100.

EARLY SUNRISE. Deep salmon, orange throat, very large flowers. 20c each; \$2.00 per doz.; \$12.00 per 100.

E. J. SHAYLOR. Deep rose pink. 20c each; \$2.00 per doz.; \$12.00 per 100.

EMPRESS OF INDIA. Deep maroon red, almost black. 10c each; \$1.00 per doz.; \$7.00 per 100.

EVELYN KIRTLAND. Coral pink. 15c each; \$1.50 per doz.; \$10.00 per 100.

FRANCIS KING. Bright red. 10c each; 75c per doz.; \$5.50 per 100.

GOLDEN KING. Large golden yellow with crimson blotch. 10c each; \$1.00 per doz.; \$7.00 per 100.

GOLDEN MEASURE. A large, clear, deep yellow. 35c each; \$3.50 per doz.; \$25.00 per 100.

GRETCHEN ZANG. A soft pink blended with scarlet in throat. 10c each; 75c per doz.; \$5.50 per 100.

HALLEY. Salmon pink. 10c each; 75c per doz.; \$5.50 per 100.

HERADA. Mauve. 15c each; \$1.50 per doz.; \$10.00 per 100.

JACK LONDON. A recent introduction of great merit. Salmon. 35c each; \$3.50 per doz.

LE MARECHAL FOCH. Light pink. 15c each; \$1.50 per doz.; \$10.00 per 100.

LOS ANGELES. Worthy of its name for size and beauty. Color, shrimp pink. 50c each; \$5.00 per doz.

MRS. DR. NORTON. Delicate pink. 15c each; \$1.50 per doz.; \$10.00 per 100.

MRS. FRANK PENDLETON. Rose pink, carmine blotch on lower petals. 10c each; \$1.00 per doz.; \$7.00 per 100.

MYRTLE. Delicate rose pink. 15c each; \$1.50 per doz.; \$10.00 per 100.

NIAGARA. A deep cream, throat splashed with lavender, very large flower. 10c each; 75c per doz.; \$5.50 per 100.

PANAMA. Bright pink. 10c each; \$1.00 per doz.

PEACE. Tall white with lavender. 10c each; \$1.00 per doz.; \$7.00 per 100.

PRINCE OF WALES. A clear, delicate salmon pink. The finest of this color and one that we highly recommend. An early variety and very popular for cutting. 10c each; \$1.00 per doz.; \$10.00 per 100.

PRINCIPINE. Bright carmine red, with white throat. 10c each, 75c per doz.; \$5.50 per 100.

PURPLE GLORY. Large ruffled flowers of velvety maroon. Very tall and showy. 50c each; \$5.00 per doz.; \$35.00 per 100.

RED SUNRISE. The flowers are as large as Early Sunrise. Has the same good form and is a beautiful dark red. 50c each; \$5.00 per doz.; \$35.00 per 100.

SCHWABEN. Soft pure yellow, with little red feather markings in the throat. 10c each; \$1.00 per doz.; \$7.00 per 100.

VIRGINIA. Brilliant scarlet. The most popular red variety. A vigorous grower with erect stalks. Exceedingly attractive for cutting or will give a grand mass of color when grown in beds. 15c each; \$1.50 per doz.; \$12.00 per 100.

MIXED. From our named varieties. 50c per doz.

Amaryllis

BELLA DONNA. "Bella Donna Lily." Blush, delicately shaded with pink or light purple, flowering before the leaves appear, very fragrant and fine for cut flowers, lasting fully a week when cut. Plant in a sunny position, leaving the neck even with the surface of the soil. First size, 25c each; \$2.50 doz.

A. JOHNSONII. Striped white on red ground; extra fine. First size, 25c each; \$2.50 doz.

Begonias

(TUBEROUS ROOTED)

Tuberous rooted Begonias have large velvety flowers of rich tones, which are very showy against the luxuriant dark green foliage. They are effective in masses, as individuals in pots or in window boxes.

In warm climates these require a shady place. The soil must be very light, comprised of a large per cent of leaf mold and sand. When planting directly to beds the tuber should be covered one to two inches—the better way however, is to start them in pots in January or February in a protected place and set them out after danger of frost is over, about April first. Blooming season from July till frost.

We have a stock of fine large sized tubers, single and double flowered in the following colors: White, Scarlet, Pink, Orange, Rose, Copper.

SINGLE. 30c each; \$3.00 doz.

DOUBLE. 35c each; \$3.50 doz.

FRILLED. Mixed only. 35c each; \$3.50 doz.

Caladium

CALADIUM (Elephant's Ear). The leaves of immense size on massive stems grow to a height of four feet. For a tropical effect this plant has no equal. First size, 25c each; \$2.50 doz. Ready for shipment in December.

Calla Lilly

AETHIOPICA. The white Calla Lilly, or Lily of the Nile, too well known to need further description. First size, 35c each; \$3.50 doz. Second size, 25c each; \$2.50 doz.

Calla Elliotiana

ELLIOTIANA. The Yellow Calla Lilly. This is the finest Calla grown; large, deep, rich golden yellow color. The leaves are spotted with white, habit like our old favorite White Calla. Ready for shipment January 1st. Small size, 35c each; \$3.50 doz. Large size, 50c each \$5.00 doz.

Cyclamen

CYCLAMEN. We grow a large stock in a very choice strain of these well-known Winter flowering plants and can supply them in all colors from pure white to crimson, including shades of salmon, pink, etc. Aside from the value of Cyclamen as a pot grown decorative plant, they are of great value when treated as bedding plants in rockeries, ferneries or planted in masses under the shade of trees. This use, however, is confined only to sections where heavy freezing conditions do not prevail. In Southern California they do splendidly in the open ground and bear great masses of blossom season after season. The corms should be planted so that the crown is even with the surface of the ground; deep planting induces damping off. Extra fine plants from 3-inch pots, each 35c; per dozen \$3.50. 5-inch pots, each 75c; per dozen \$7.50.

Tuberose

Ready for delivery after Feb. 1st.

EXCELSIOR PEARL. This is the double variety so universally grown by florists for cutting. The best bloomer. 10c each; \$1.00 per doz.

Iris

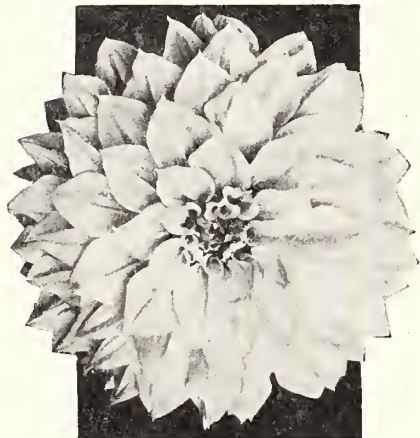
GERMANICA (German Iris). Though called German Iris, this is truly the Fleur-de-Lis, the national flower of France. Light Blue. 50c doz.; \$3.00 per 100. Purple, 75c doz.; \$4.00 per 100. White, 50c doz.; \$3.00 per 100.

M. & S. Pedigreed Dahlias

Ready for Delivery after March 15th

Abbreviations: Dec., Decorative; Peo., Peony; Cac., Cactus; H. Cac. Hybrid Cactus.

The DAHLIA can be grown in almost any good garden soil and is one of the easiest of all flowers to grow, although no plant will respond so wonderfully to good treatment such as regular watering, fertilizing and disbudding.



DECORATIVE DAHLIA

There being many thousands of varieties of Dahlias in cultivation it is impossible for anyone to catalogue all and we are therefore confining ourselves to listing a few choice varieties which we consider as "classics" amongst Dahlias and without which no garden is complete.

A folder of Dahlia Cultural Directions will be sent with each order.

BEAUTY OF ROSEMONT (Dec.). Large flower of rosy pink shade. 50c each.

BILLIE BURKE (Cac.). Of extremely large size. In color, soft yellow, the reverse of the petals toned with rose. This variety can be grown 8 inches in diameter. Flowers borne at the tips of strong rigid stems. Tubers 50c each.

CHAMPAGNE (Dec.). One of the largest Dahlias in cultivation today. A model Dahlia from any point it might be considered. Gigantic flowers of perfect formation are produced on long rigid stems. The color is a shade difficult to describe. "Color is delightful in warm autumn shades, varying from burnished copper to dull old champagne and chamois." Tubers. Price \$5.00 each.

CONTRAST (Dec.). Rich crimson scarlet, beautifully tipped with white. Tubers 50c each.

COPPER (Peo.). Beautiful copper shade tinted bronze and apricot. 35c each.

DELICE (Dec.). An old standard favorite. Blossoms are only of moderate size, but are freely produced. In color a delicate shade of soft pink. It is one which is grown largely for commercial purposes. Its color has never been surpassed. Tubers 35c each.

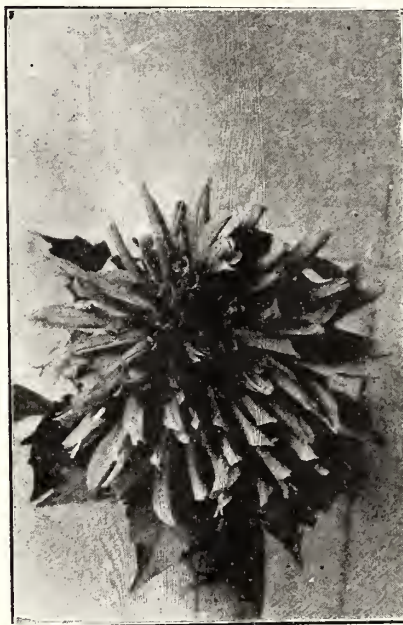
DR. TEVIS (Dec.). Unquestionably one of the finest Dahlias ever introduced and one of the most popular. Blossoms of magnificent proportions. The color is unique, being a blending of copper, old rose and gold. Wonderful stems and very free in bloom. Tubers 50c each.

GEORGE WALTERS (H. Cac.). Gigantic sized flowers of informal shape; pink and salmon in color, with shadings of gold at the base of the petals. Always a favorite. One of the best of its particular color. Tubers 75c each.

GOLDEN WEST (Cac.). A grand variety for cutting purposes. Flowers produced in profusion, stems first class. A Dahlia of great worth as a commercial cut flower. One of the most popular varieties grown for market today. Keeping qualities the best. Golden yellow. Tubers each 35c.

HORTULANUS FIET (Dec.). Shrimp pink overlaid with gold. A large, perfectly formed bloom. Always scarce. Strong green plants, ready May 1st, 75c each.

INSULINDE (H. Dec.). Easily one of the finest of all Dahlias in cultivation today. Blossoms of enormous size, composed of petals arranged in loose, curled formation. The flowers are beautifully poised on the ends of long rigid stems. The color is a magnificent shade of tawny orange, the reverse of the petals shot with rose. Flowers on disbudded plants grow to enormous proportions. It is a Dahlia without a fault. Tubers \$1.00 each.



HYBRID CACTUS DAHLIA

KING OF AUTUMN (Dec.). A beautiful buff and terra cotta flower with excellent long, stiff stems. Free bloomer. 75c each.

MINNIE BURGLE (Dec.). Fine bright red and especially good for cutting. 25c each.

MRS. JESSIE SEAL. A peony flowered old rose, shaded gold. An exquisite combination. Its habit of growth is ideal for garden and as a cut flower. \$1.00.

MRS. CARL SALSBAUGH. Mauve, or lilac pink. A popular variety with long stems, much used for decorative work. 75c.

MABEL B. TAFT (Dec.). A splendid rich flowered decorative Dahlia. The flowers have a ground color of canary yellow with a suffusion of pinkish apricot. Large as to size, but requires plenty of disbudding. Tubers 75c each.

NIEBLUNGENHORT (H. Cac.). Shrimp pink with shadings of bronze. A flower of handsome form and large dimensions. Not a new variety, but one which is always scarce and in demand. Tubers 75c each.

POLAR BEAR. One of the best white Dahlias. Strong grower with good foliage and stems. \$1.00.

PATRICK O'MARA (Dec.). Rich chrome yellow with a suffusion of salmon red. A very popular Dahlia in the eastern portion of the United States, where it has received many first awards. Disbudded flowers are of immense size and perfect formation. A desirable sort. Tubers 75c each.

PRIDE OF CALIFORNIA (Dec.). Intense glowing cardinal red. A popular variety with cut flower buyers owing to its brilliant color, large size and wonderful stems. Should be included in every collection. Tubers 50c each.

TOM LUNDY (H. Cac.). Bold rich crimson flower. Full to the center. Free bloomer and very much admired. 75c each.

YSLETA (Dec.). A copper color shaded with yellow and suffused with rose. Very strong grower with excellent stems for cutting.

WIZARD OF OZ. (Dec.). The color of this vertiable giant of a Dahlia is a rare shade of glowing amber pink or soft salmon shades. \$5.00.

Pompon Dahlias

An elegant class of small flowered Dahlias. They are miniature forms of the large flowered Show type. They form dainty subjects when used in baskets or vases, being particularly adapted for use as cut flowers. The colors in all varieties are charmingly bright and fresh.

ACHILLES. Large Silver Pink. 35c.

AMBER QUEEN. Golden Amber. 35c.

ANNIE DONCANTER. Yellow base edged Pink. 35c.

AIMEE. Smallest perfect orange. 50c.

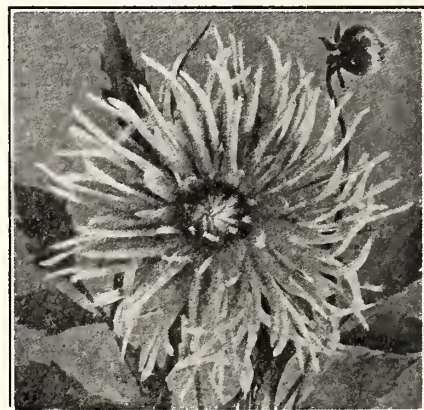
BACCHUS. Bright Scarlet. 35c.

BILLIE FLETCHER. Smallest pompon. Bright Rose. 50c.

DANDY. Fine Orange. New. 50c.

DARKEST OF ALL. Maroon almost Black. 35c.

DEE DEE. Best small Lavender. 50c.



CACTUS DAHLIA

DORRIS. Cream. Fine form. 35c.

EUNICE. Lavender and White. 35c.

GANNYMEDE. Pink edged yellow. 50c.

GLOW. Old Rose. 50c.

GOLDIE. Golden Orange. 50c.

HECKLA. White. 35c.

MADELEINE. Yellow edged Rose. Fine. 35c.

PRINCE CHARMING. Pink edged purple. 25c.

TOMMY KEITH. Red tipped White. 35c.

SUNNY DAYBREAK. Yellow edged Red. 35c.

M. & S. Pedigreed Roses



NEW ROSE SOUVENIR DE CLAUDIUS PERNET

All Roses offered are A-1 grade which is the largest size for the variety.

LOS ANGELES. A California product which has attained international recognition. It is universally popular and does well in all climates. Distinctive coloring of rich flame-pink shaded golden. The rose that everyone should have in his garden. We think this is the best new rose in years. \$1.00.

CLIMBING LOS ANGELES. Similar to the bush variety but with strong climbing habit. Price \$2.00.

WILLIAM F. DREER. A beautiful Rose of the same parentage as Los Angeles, and which for delicacy of coloring is incomparable with any other variety, it reminding one of the delicate tints of some varieties of water lilies. The flowers, which are similar in shape to Los Angeles, and like that variety, beautiful in all stages of development, are at their best in the half expanded flower. These, in expanding, are of a delicate, silvery, shell-pink. Each \$1.00.

MISS LOLITA ARMOUR. The unique coloring of this novelty is a combination of colors difficult to describe, and it is absolutely distinct from all other varieties. The flowers are of large size, full double, with petals of great substance. As the flowers expand they develop to a deep coral-red with a golden, coppery-red suffusion. Each, \$1.00.

ROSE MARIE. Amongst the various roses which we have had under trial there are but few more meritorious than this magnificent American novelty. The buds are long and pointed, the petals large and well rounded, and the open bloom ideal as to form. One of the finest roses we know of for cut flower purposes. The color is a delightful shade of pure rose pink. Highly recommended. Each, \$1.00.

MADAME EDOUARD HERRIOT or Daily Mail. "Superb coral red, shaded yellow at base, passing to shrimp red." Neither this description nor any other will convey a just idea of the wonderful coloring. At first sight it seems artificial. The flowers are moderately large and semi-double. Buds perfectly formed and magnificently colored. 75c each.

CHEERFUL. One of the grandest new roses. Pure orange coral with long, pointed buds and a very strong grower. \$1.00 each.

SOUVENIR DE CLAUDIUS PERNET. The yellowest of all roses, sent out of Europe as the finest yellow rose ever produced on that continent and is now acquiring a great reputation in this country. A vigorous, erect grower with extremely beautiful bright green foliage and few thorns, producing many exquisite buds on long stiff stems. The flowers are large and full, of a clear unfading sun-flower yellow with no other tints whatever. This color was unknown in roses until the recent introduction of this variety. \$1.50.

MADAM BUTTERFLY. Glorified sport of Ophelia, all colors of Ophelia are intensified, making it a barmonious shading of Pink, Apricot and Gold. 75c each.

CRUSADER. Deep, velvety crimson. A big, strong growing variety, robust and rugged in every characteristic; the growth is heavy and the flower stems strong. It is free flowering, and the blooms are big and double. 75c each.

We can supply the following list of Roses at 50c each or \$5.50 per dozen, except where noted. We will send these Prepaid Parcel Post or Prepaid Express (our option) if not less than six are ordered. These are two-year-old field grown plants. If you want a variety that we do not list send in your order and we will get it for you—if in the market. After April first all roses are potted and after that time the price will be 65c each or \$7.00 per dozen, except where noted.

ALEXANDER HILL GRAY. (T.) Deep lemon-yellow, similar in color to Marechal Niel, more intense as the bloom expands. Large, full flowers with high pointed center and perfect form, freely produced and strongly tea perfumed. Robust, vigorous and erect.

AMERICAN BEAUTY. Too well-known to require lengthy description. A grand rose in sections where it grows well. In other sections it requires skilled treatment.

BETTY. Coppery-rose, shaded golden yellow; large full and well formed flower with beautiful buds.

BLACK PRINCE. Magnificent blackish velvety crimson, an old favorite.

BRIDE. Ever-blooming Tea. Pure white, sometimes delicately tinged with pink; large, fine form, fragrant, free bloomer, one of the most popular of white roses.

BRIDESMAID. Flower very large, full, perfect shape, fragrant and a constant bloomer. Inside white, outside pink.

BRITISH QUEEN. (H.T.) Pure white, unexpanded buds sometimes flushed peach. Open flowers without any trace of yellow. Beautifully formed, with pointed center and reflexed outer petals.

CLARA WATSON. Robust growth, beautiful foliage. Flowers double, good form, and rich fragrance. Blush pink delicately shaded pale yellow.

COLUMBIA. (H.T.) The color is a true pink, deepening as it opens to a glowing pink. A striking peculiarity of this rose is that the shades all deepen as the rose opens. Single buds on long stems, splendid for cutting.

CRIMSON QUEEN. H. T. A very strong upright grower; beautiful, long, slender buds; color a rich bright velvety crimson; constant bloomer.

DUCHESS DE BRABANT. (Pink.) Soft rosy pink; buds are fine; called Duchess everywhere.

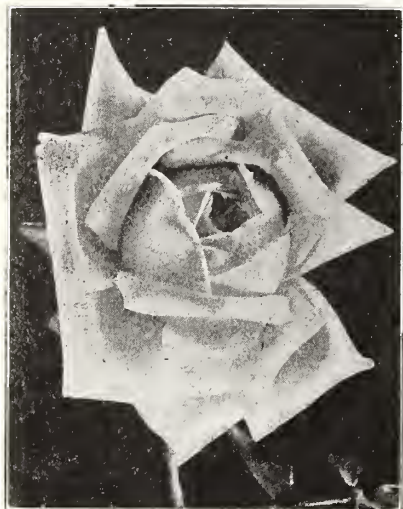
DUCHESS OF WELLINGTON. One of the most beautiful yellow bush roses; has a very stiff stem with large deep yellow bloom.

ETOILE DE FRANCE. A charming fine French variety; has large, fine buds borne singly on long, stiff stems; dark crimson in color, center vivid cerise; fuller and deeper color than Gen. McArthur.

FRAU KARL DRUSCHKI. (Snow Queen.) The finest white rose, with large, full flowers of splendid form. It is marvelous in its beauty in half open bud and in the pure white of the full opened bloom. In a bed of a dozen plants there is seldom a day during the summer when blossoms cannot be cut, and during the spring and fall it blooms in profusion. It is the ideal rose. Strong No. 1 bushes.

EDWARD MAWLEY. Brilliant fiery red. Color particularly bright in fall. The opening buds are shaded velvety crimson inside. Moderately double. Quite fragrant. Very free flowering. Growth is very strong, also unusually erect and slender.

GEORGE ARENDS. Called by originator, "Pink Frau Karl Druschki"; very similar except in color to Frau Karl Druschki. Strong grower and flowers of beautiful deep pink.



MISS LOLITA ARMOUR

GEORGE ELGER. (Yellow Baby Rambler.) Rich chrome yellow. The plant produces an abundance of fragrant little roses throughout the summer.

GENERAL McARTHUR. A meritorious rose in every way. Good growing variety with clean foliage and good stems. Almost a constant bloom. Beautiful pointed bud. Rich bright scarlet.

GOLDEN EMBLEM. Per. Throughout the entire season this magnificent rose draws more attention than any other in our rose fields. The lovely long buds of golden yellow are beautifully tinted with crimson on the outer petals, the coloring changing with weather conditions but offering a delightful contrast at all times. Opens to a full golden yellow flower. The glossy green foliage is particularly fine, does not mildew, and the buds are borne on long stiff stems above the strong growing, vigorous bushes. The blooms are produced freely and continuously, even under adverse conditions. A unique and striking variety, certain to delight all rose lovers. \$1.25.

GENERAL JACQUEMINOT. Hybrid Perpetual. An old popular variety; color brilliant crimson; large and effective.

GRUSS AN TEPLITZ. (Scarlet.) One of the best of its color, always in bloom.

HADLEY. Rich velvety crimson. Strong rapid grower with long stiff stems. Flowers large, double and beautifully formed. Profuse bloomer and very fragrant.

HOOSIER BEAUTY. One of the grandest rich red garden roses. Splendid clean foliage and a heavy bloomer. The rich velvety crimson is vivid and lasting.

HUGH DICKSON. Hybrid Perpetual. A vigorous free grower and perpetual bloomer; fine foliage; color a rich brilliant crimson; very sweetly scented.

IRISH ELEGANCE. One of the most beautiful single roses. Bud superb, exquisitely formed—long and pointed—of beautiful bronzy orange shading to apricot.

IRISH FIRE FLAME. (H.T.) Buds fiery orange-red, open bright salmon. Very beautiful roses.

JONKHEER J. L. MOCK. Clear imperial pink, reverse of petals rosy, silvery-white; blooms of magnificent size and form, produced freely on stiff, erect canes; the strongest grower in the Hybrid Tea class.

JULIET. Distinct type of rose. It is a wonderful grower, sending up long strong stems surmounted by flowers of most unique colorings. The outside of the petals rich old gold, and interior rich rosy red changing to deep rose as flowers expand. Very large and full. Delightful fragrance.

KAISERIN AUGUSTA VICTORIA. A grand white, with all the points which go to make a perfect rose; it combines perfection in form, color, vigor and freedom of bloom. No collection will be complete without this superb variety.

KILLARNEY. Flesh suffused pink. Semi-double. Buds long pointed and very beautiful. Free blooming. Very fragrant.

LA FRANCE. Delicate silvery rose changing to silvery pink. Very large, full and of fine globular form.

LADY ASHTOWN. Pale rose, shading to yellow at base of petals. Flowers full and pointed.

LADY HILLINGDON. Deep apricot yellow. The color is solid without any shading and absolutely unique. It can be told at a glance from any other rose known. A wonderful thing about it is that even after the flower is cut the color will deepen. It never fades. The new wood and long stems are deep violet, making a contrast with the flower that has to be seen to be appreciated. Growth is strong and vigorous. Foliage at first dark violet, becoming a very deep green with light violet hue. Flowers are large and loose with long pointed buds and remarkably large petals. The finest yellow rose to date, in our opinion.

LEGION. Well shaped large full flower of striking cerise-red. Good fragrance. Foliage robust, glossy reddish green.

MAD. ABEL CHATENAY. Produces a continuous mass of exquisite salmon pink blooms; beautiful in bud or when fully opened.

MAD. CAROLINE TESTOUT. Sometimes known as the "Portland Rose." Grand distinct variety, hardy and a continuous bloomer. Buds and blooms are large and well formed. Brilliant satiny-pink. Delightfully fragrant.

MADAM CECIL BRUNNER. The most beautiful of all Polyantha or Baby Roses. Color bright salmon blush; very sweetly scented.

MAD. LEON PAIN. Robust growth with dark foliage. Free blooming. Large handsome bud of silvery salmon with orange yellow center, reverse tinged with red.

MAMAN COCHET. (Pink, red and white.) Ideal in form, perfect in color, vigorous in growth and well covered with handsome foliage. Deep rose pink, unsurpassed for lasting qualities and now grown by the thousands as a commercial cut flower.

MRS. AARON WARD. Hybrid Tea. Deep golden orange color, shading out to lemon or creamy yellow at the end of the petals. The buds are cupped and very deep, showing the glowing heart to the best advantage; flowers very large, full and exquisitely formed.

MRS. A. R. WADELL. A beautiful salmon pink. A very beautiful color.

MRS. CHARLES RUSSELL. Rich rosy carmine with tone of rose scarlet in center of opening bud. Good stems. Equally good in greenhouse or outside.

MRS. GEO. SAWYER. Everblooming Tea. Highly praised. Flowers are of clear peach-pink, large full and well formed, carried on stiff erect stems. Good foliage and splendid for cutting.

MRS. JOHN COOK. A sport from Ophelia. White suffused with delicate pink. Strong growth, large flowers.

MRS. JOHN LAING. Soft pink flower of fine form and with good strong stems. Fragrant and constant bloomer.

MRS. W. C. MILLER. The flower is soft pearly bluish, shaded salmon. The petals are crinkly and waved.

OLD GOLD. H. T. The color of this very free-blooming rose is beautiful beyond description; vivid reddish-orange with rich coppery-apricot shadows.

OPHELIA. Salmon flesh shaded rose with chamois center. A rose that is lovely at every stage. The buds and flowers are beautifully formed and colored, enhanced by rich veining on the petals. Stems are long and carry flowers erect. Could hardly be praised too highly.

PAUL NEYRON. The largest rose in cultivation. Flowers of enormous size, borne on long sturdy shoots, and usually one flower to the stem. Rich dark rose in color and very fragrant.

PERLE DES JARDINES. (Pearl of the Garden.) This grand old rose still maintains its popularity and is known as one of the best of its color; the flowers are large and full; clear golden yellow; succeeds in open ground.

PERLE D'OR. Yellow Baby Rose. Nankeen yellow with orange center. Buds very full and beautiful.

PRINCE DE BULGARIE. Very large flowers with excellent shaped buds. Color silvery rose blush.

RHEA REID. Flowers good sized, full, deep, and buds exquisitely moulded. Extremely beautiful both in bud and in open flower. Color beautiful rich crimson which is lasting. Splendid sort for cutting.

RADIANCE. Hybrid Tea. A brilliant, rosy carmine, displaying beautiful, rich pink tints in the open flower; of fine form; a constant bloomer.

RED RADIANCE. Flowers are large and cup-shaped, unusually elongated, very double, sweetly scented. Growth vigorous and erect, with spreading branches. Blooms freely. Well liked.

RAGGED ROBIN. (Gloire de Rosomanes.) Single red; a great favorite.

SUNBURST. One of the finest of all yellow roses. Almost a constant bloomer. Flowers and buds well formed and color splendid. Richly tea scented. Makes very good growth and strong stems. Beautiful foliage and clean. Color lovely golden yellow.



LOS ANGELES

ULRICH BRUNNER. One of the very best red roses grown. Makes a splendid growth with beautiful foliage, and strong upright stems. Almost a constant bloomer. Color rich cherry-red without shadings. Thornless, and much more satisfactory than American Beauty for garden culture in open ground.

WINNIE DAVIS. Flesh pink, outer petals silvery blush. Buds long pointed; flowers large and formed much like Clara Watson or Miss Kate Moulton. Not very double. Growth vigorous, erect and slender. An extremely heavy bloomer, particularly in spring.

Climbing Roses

The following are among the choicest of Climbing Roses. Our plants are strong and will give plenty of bloom the same season they are planted.

CLIMBING HOOSIER BEAUTY. Identical to the bush variety, except strong climbing habit. Each 50c.

CLIMBING GENERAL McARTHUR. Identical with the bush, except being a strong climber. Each 50c.

CLIMBING LADY HILLINGDON. One of the best yellow climbing roses. Each 50c.

BANKSIA YELLOW. Same as the white excepting in color, which is a beautiful light yellow.

CLIMBING AMERICAN BEAUTY. A fine variety. Cerise red. Flowers medium size, double and very fragrant. Vigorous climber. Has little resemblance to American Beauty except in color.

CLIMBING BEAUTY OF GLAZENWOOD. Commonly called Gold of Ophir. Very rapid grower. Color a combination of copper, carmine and salmon yellow. A wonderful profusion of bloom in spring.

CLIMBING BELLE SIEBRECHT. Beautiful flower and bud; bloom good size and fragrant. Beautiful clear pink.

CLIMBING BRIDE. Identical with bush Bride, except climbing habit. Good white climber.

CLIMBING CECIL BRUNNER. We have in this lovely Climbing Rose not only one of the daintiest of all roses, but also one of the most useful.

CLIMBING CAROLINE TESTOUT. A grand climbing form of Madam Caroline Testout. Has all the good qualities of the latter, coupled with additional strength of growth and consequently greater production of bloom. Extra good.

CLIMBING GRUSS AN TEPLITZ, with the same ever-blooming habit as the bush; one of the finest deep reds.

CL. HADLEY. Flowers rich crimson, borne on good stems. A free bloomer giving flowers at nearly all times. Very satisfactory.

CLIMBING HUGH DICKSON. Flower identical with bush.

CLIMBING KAISERIN. The counterpart of Kaiserin except that it is a climber. The buds have the same exquisite form as the parent and are the same color. Delicate ivory white. Very vigorous grower.

CLIMBING KARL DRUSCHKI. A very strong grower with blooms like the bush.

CLIMBING KILLARNEY. Sport from popular bush rose Pink Killarney. Bloom identical with parent. Strong grower.

CL. LA FRANCE. The climbing form of the popular old pink favorite which is always in demand.

CL. LADY ASHTOWN. Superb deep silvery pink. One of the best pink climbers in existence. Blooms are borne on long stems, making it valuable as a cut flower.

CLIMBING PERLE DES JARDINS. Identical with bush except of strong climbing habit.

CLIMBING PAPA GONTIER. Identical with its parent, Papa Gontier, except its strong climbing habit. Beautiful foliage—free from mildew. One of the best climbers.

CLIMBING MAMAN COCHET. Pink, White and Red. While the flowers take on the same pleasing shades and form of the bush, they are larger and borne in greater profusion. A strong grower.

CLIMBING WOOTTON. A superb climbing rose, vigorous in growth, fine in foliage. Color velvety crimson. Petals thick and leathery. A valuable acquisition to the list of red climbers, which is none too large.

CLIMBING SUNBURST. Identical to the bush variety in color, but is of strong climbing character. The many pearls of trials for a perfect yellow rose is at last rewarded, and we consider this one of the best and probably the finest in color and form of any rose yet introduced of yellow color. The buds are long and pointed of great substance and when out last extremely well.

CLIMBING WINNIE DAVIS. Sport from bush variety. Extremely strong grower. Flowers salmon pink, well formed, and a good bloomer.



WHITE MAMAN COCHET

CHEROKEE. Pink, red and white. A grand new climbing rose of rare beauty and undoubted merits. The lovely single blossoms are produced in the same profusion as the white sort, but are a delightful shade of blush pink.

DOROTHY PERKINS. Noted for its hardiness and vigorous habit of growth, beautiful color and freedom of bloom, the flowers are borne in large clusters; a beautiful shell pink color, which lasts a long time without fading; this variety is suitable for situations where a trailing rose is desired, or can be trained over arches or other supports.

LA MARQUE. Well known as one of the finest white varieties in cultivation. A remarkably profuse bloomer. Fine in bud state as a cut flower.

PAUL'S SCARLET CLIMBER. Unquestionably the finest new climber introduced recently. The flowers are vivid scarlet, medium size, semi-double and very freely produced in clusters.

REVE D'OR. Unique in shades of buff and apricot; similar in form to the Lt. Marque. One of the best climbing roses in cultivation and always in demand. During the spring and summer months the plants are smothered with blooms.

TAUENDSCHOEN. "Thousand Beauties." Hardy climber of great merit. Flowers produced in clusters in immense profusion. Delicate pink changing to carmine as the flower opens.

Tree-Shaped Roses

Standard or Tree-shaped roses differ from ordinary bush roses in that they are budded into a stalk of some strong growing variety at a height of 3½ feet from the ground, forming a bushy head at the top of a long stem. We use only vigorous varieties which make a large compact head.

Tree roses are very effective when properly placed in corners of the garden, or on either side of a walk, or when grown among or in front of bush roses.

The varieties offered are selected to afford a popular range of colors.

GENERAL McARTHUR. Red.

GOLDEN EMBLEM. Yellow.

HOOSIER BEAUTY. Scarlet.

K. A. VICTORIA. White.

LOS ANGELES. Flame Pink.

MME. ED. HERRIOTT. Copper.

L. C. BRESLAU. Apricot.

MRS. GEO. SHAWYER. Light Pink.

ROSE MARIE. Rose Pink.

SOUV. DE CLAUDIUS PERNET. Yellow.
Price \$5.00.

We are again making a special offering of our Rose Collections which have proven satisfactory and popular with our many friends. All 1st grade 2-year-old field grown plants.

These collections are arranged for and put up as listed and we cannot make any change in the varieties in the collections. If other varieties are wanted select them from the general list.

COLLECTION NO. 1 for \$3.00, Postpaid.
Six of our most popular roses that regularly sell for \$3.50.

Cecil Brunner	\$.50
Los Angeles	1.00
Alexander Hill Gray .....	.50
Betty .....	.50
Crimson Queen .....	.50
Frau Karl Druschki .....	.50

COLLECTION NO. 2 for \$5.75, Postpaid.
Ten bush roses of merit. Regular price \$6.25.

Red Cochet	\$.50
Rose Marie	1.00
Mad. Abel Chatenay .....	.50
Irish Elegance, single .....	.50
Lady Ashtown .....	.50
Miss Loleta Armour	1.00
Mad. Edouard Herriot .....	.75
Mrs. A. R. Waddell .....	.50
Mrs. W. C. Miller .....	.50
Ulrich Brunner .....	.50

COLLECTION NO. 3 for \$4.75, Postpaid.
Six (one each) of the new roses that have won recognition in the rose world. Our regular price, \$5.25, postpaid.

Legion	\$.50
Los Angeles	1.00
Mad. Edouard Herriot .....	.75
Miss Lolita Armour	1.00
Rose Marie	1.00
Wm. F. Dreer	1.00

COLLECTION NO. 4, only \$3.00, Postpaid.
Six (one each) climbers of great popularity, regularly priced for \$3.50.

Climbing Maman Cochet	\$.50
Climbing Hoosier Beauty .....	.75
Climbing Kaiserine Aug. Vic. ....	.50
Climbing Bride .....	.50
Climbing Gen. McArthur .....	.75
Climbing Gold of Ophir .....	.50

COLLECTION NO. 5 for \$2.50, Postpaid.
Six Hardy Hybrid Perpetuals especially recommended for the hot interior sections. Regular price \$3.00.

Frau Karl Druschki	\$.50
Gruss on Teplitz .....	.50
General Jacqueminot .....	.50
Black Prince .....	.50
Paul Neyron .....	.50
Ulrich Brunner .....	.50

Climbing Vines and Bedding Plants

NO PLANTS SENT C. O. D.

AMPELOPSIS QUINQUEFOLIA. Virginia Creeper. Leaves palmate, handsome and luxuriant, assuming in autumn a gorgeous bronzy hue. 50c each.

AMPELOPSIS VEITCHII. Boston or Japan Ivy. A great improvement on the old Virginia Creeper; fast-growing in the shade or sun. 50c each.

ASPARAGUS PLUMOSUS. The leaves are a bright green, are gracefully arched and are as finely woven as the finest silk mesh, surpassing Maiden Hair Ferns in grace, fineness of texture, and richness of color. 35c and 50c each.

ASPARAGUS SPRENGERII. A fine hanging basket plant, very hardy and highly recommended for baskets, porch-boxes, etc. Small size 25c; medium size 40c; large size 75c.

BIGNONIA GRANDIFLORA. Trumpet Vine. Rapid-growing climber, bearing large orange-yellow trumpet-shaped flowers in great profusion. 50c each.

BIGNONIA VENUSTA. Orange-colored trumpet flower, evergreen. 50c each.

BOUGAINVILLEA. These climbers are becoming greater favorites every year. They have peculiar shaped flowers, somewhat resembling the leaves in shape, produced at the end of the branches in wonderful profusion.

BOUGAINVILLEA BRAZILIENSIS. One of our most attractive climbers with large reddish-purple flowers. 2 to 3 ft. \$1.00.

BOUGAINVILLEA SANDERIANA. Deep magenta red. 2 to 3 ft. 50c each.

CLEMATIS MONTANA. Produces its pure white flowers in early summer; very floriferous and fast-growing. 60c each.

CLEMATIS PANICULATA. 50c each.

FICUS REPENS. A fine ornamental climbing plant. The best evergreen vine for covering buildings, walls, or other supports, either stone, brick or wood. Its small, deep green leaves and close clinging habit make it very attractive. Large plants, 35c each; \$3.50 dozen.

JASMINUM GRANDIFLORA. One of the best white species; blooms almost perpetually during the summer and fall; erect growing, branches drooping and angular. 50c each.

JASMINUM MANDEVILLEA SUAVEOLENS. "Chili Jasmine." A beautiful climbing vine from South America, bearing clusters of waxy white flowers in great profusion; intensely fragrant. 50c each.

JASMINUM REVOLUTUM. The well known yellow Jasmine; a half climbing plant of strong rapid growth; very fragrant. Each 50c.

LONICERA JAPONICA HALLIANA HONEY-SUCKLE. "Hall's Japan." Evergreen, vigorous climber; flowers pure white, changing to yellow; deliciously fragrant; borne in great profusion during the summer and fall. One of the best. Succeeds where some of the others will not grow. Valuable for porches, fences, etc. Strong plants 50c each; \$4.00 per 10.

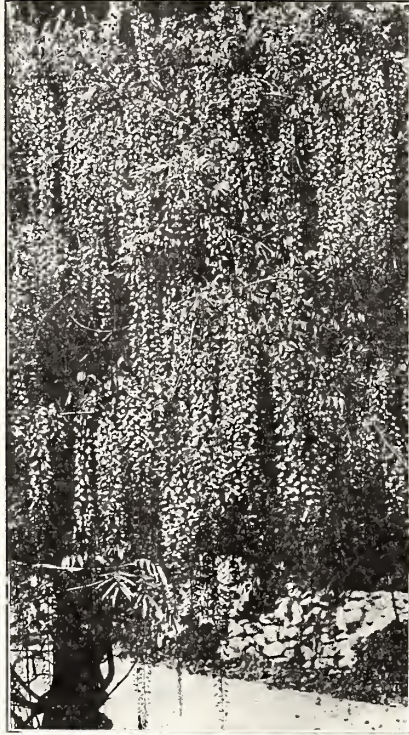
MUEHLENBECKIA COMPLEXA. Rapid growing twining vine, with dark wiry stems and tiny leaves; known sometimes as the Maiden Hair Vine. Excellent for covering trees, posts, fences, etc. 50c each.

PASSION VINE. Pink. 75c each.

PASSION VINE. Scarlet. 75c each.

PLUMBAGO CAPENSIS. Flowers a most delicate shade of azure-blue; unrivaled for their continuous blooming and drought-resisting qualities; foliage clean and smooth. May be grown as a spreading shrub or as a half climber. 50c each.

TECOMA AUSTRALIS. This beautiful vine is exceedingly useful for covering the sides of buildings. Its principal value lies in its elegant thick foliage and rampant growth. Flowers are small but produced in great profusion. Color creamy white. 50c each.



WISTERIA

TECOMA CAPENSIS. "Cape Honeysuckle." A half-climbing species usually grown on trellises or porches or can easily be trained into shrub form by cutting the long shoots back severely; flowers glowing scarlet. A compact grower and almost continuous bloomer; excellent for sunny places. 50c each.

VITIS CAPENSIS. Evergreen grape. A very attractive climber with shiny bronze leaves. Young plants, small, at 50c each.

WISTARIA. One of the most beautiful flowering vines. Bears long spikes of blooms, glossy green leaves, rank grower. Seedlings 50c each. Budded: red, pink, blue, \$2.00.

ALTERNANTHERA. Much used for bedding purposes; of low growth; stands clipping well. Ready about April 15th. Yellow and red varieties, 50c per doz.; \$4.00 per 100.

BEGONIA VERNON. This variety grows about eighteen inches high. The foliage, in the sun, turns deep olive green, shaded and edged with bronze purple; the flowers are bright red in color, magnificently set off by abundant dark foliage. 15c each; \$1.50 per doz.

BEGONIA ERFORDII (Beauty of Erford). It is more dwarf and spreading than Vernon and bears three times as many flowers. The color is a lovely soft pink throughout, which does not fade in the hottest sun. It blooms ten months in the year; grows about twelve inches high, and makes a most beautiful border for Cannas, Geraniums, Scarlet, Sage, etc. All ready about April 15th. 15c each; \$1.50 per doz.

CANTERBURY BELLS. Blooms the second summer, plants 2 to 3 ft. covered with large bells, white, pink or blue. 50c doz.

CARNATION. The favorite flower for cutting, blooms all the year. Likes sandy soil, but will grow anywhere. Young plants should be cut back several times before they are allowed to bloom. This forms a broad spreading clump, increases the number of blooms and prevents the plant breaking off at the ground because top heavy. When cutting blossoms cut the stem back within an inch of the base. This also helps to keep the plant compact. The entire plant should be pruned once a year, but this should be done in two operations several weeks apart so all the old stems need not be removed at once. White, Blush Pink, Pink and Rose, named varieties of each color. 75c doz.

COREOPSIS LANCEOLATA. Very hardy, brilliant yellow of tall, slender stems. Blooms 6 months, fine for cutting. Rayon d'Or has tube-shaped petals. 50c doz.

CINERARIA. Blooms late winter and early spring, in pots or sheltered shady places. Large heads of brilliant colored daisy-like flowers well above the foliage. 3-in. pots, 15c and 20c; 4-in. pots, 25c to 35c; 5-in. pots, 40c to \$1.00.

DELPHINIUM BELLADONNA. A magnificent strain of Delphinium. Flowers are large and arranged from the main stem. Presents a most graceful appearance. Light blue and dark blue. Balled, per doz., 75c; small plants; large 35c each.

DELPHINIUM GOLD MEDAL HYBRIDS. Various shades of blue. Balled. Each 35c; per doz. \$3.50.

DUSTY MILLER (Centaurea Candidissima). Low compact plant, silvery white foliage, used for borders. Medium slow growth, very hardy. Very effective contrast to green leaves and shrubbery or bright colored flowers. Flat, 50c doz.

DAISIES. English. Double, all colors. 50c per doz.; \$2.50 per 100.

FUCHSIA. Much branching, half tender plants often trained in upright climbing fashion against a wall. Blossoms drooping, bright colored, very beautiful. Needs protection from extreme sun except in cooler portions of the coast districts. 50c.

GAILLARDIA PORTOLA. A new variety which originated on the Pacific Coast and named Portola in honor of the discoverer of San Francisco bay. The plant is of strong, vigorous, erect habit of growth, from 2½ to 3 ft. high; the stems are strong and stiff, holding the flowers erect; these are of large size, nearly 4 in. in diameter, the petals being very broad and over-lapping, of great substance, and spread out flat, forming a very regular flower; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Plants, each 15c; doz. \$1.50.

Bedding Plants

NOTE—All plants under this head postpaid in California, Arizona and Nevada at prices quoted—and are knocked out from flats and wrapped in moss. If plants are wanted in pots they will have to go by express at purchaser's expense.

Perennials

AQUILEGIA (Columbine). Beautiful clump of foliage, above which the long tailed blossoms rise on 18 to 30 in. stems, all colors, both double and single forms. Good for shade or sun. Long lived. 50c.

AGAPANTHUS UMBELLATUS (Blue African Lily). Extra strong, established plants. 35c each.

GAILLARDIA GRANDIFLORA. Mixed. Composite flowers, variegated with shades of red and yellow. Plants, 1 doz. 50c.

Gerbera Jamesoni

(Transvaal or South African Daisy). Low plant with dark green, finely cut leaves, blossoms on long stems, size and shape of Shasta Daisy, but brilliant brick red color. Also hybrids which range from almost white to lemon, salmon-blush, all shades of pink and red to scarlet. Likes well drained soil and sunlight. Not affected by frost, but often dies out, probably from improper water. A most brilliant plant. Pots and cans, 25c to 50c.

Geraniums

Any of the following list at \$1.00 per doz; 10c each, postpaid. Ready March 15th.

CHAS. TURNER. Ivy leaf. Flower rose pink.

GENERAL GRANT. Single scarlet; one of the most popular.

DOUBLE GEN. GRANT. Same as above except with a double flower.

GEUM. Leaves in flat rosettes from which spring the slender branching flower stems growing 2 to 2½ ft., bright red flowers, blooming almost the whole year. Very hardy in all respects. 50c doz.

HOLLYHOCK. Large showy flowers on tall spikes; all colors. 50c doz.; gal. cans 50c.

HYDRANGEA HORTENSIS. This plant is a most satisfactory one, blooming as it does for such a long period; they succeed admirably when planted in a shady place in the garden. Large plants, 50c each.

HELIOTROPE. Fast growing, spreading plant constantly in bloom, easily frosted. Dark purple and light purple, grows well in either sun or shade. Gal. 50c.

LAVENDER. English. Soft gray foliage, lavender flower spikes highly fragrant. One of the hardiest and most drought resistant plants. Height 3 ft. Gal. 50c.

LOBELIA COMPACTA. Beautiful blue flowers, small dense foliage, border plants. Flats of 100, \$2.50; per doz. 50c.

MARGUERITE (Daisy). Bushy, fast growing plants, constantly in bloom, very hardy. Single White, Double White (Mrs. Sanders) and Single Yellow. Small plants in pots, 15c; \$1.50 doz.

PENTSTEMON (Beard Tongue). Resembles Snapdragons, but flowers are more tube-like, and blooms nearly the whole year, beautiful colors, fine for cutting, exceedingly hardy. Several colors; in white, pink, red and mixed. Small plants, 50c doz; small plants, gal. cans, 50c each.

PHLOX, HARDY PERENNIAL (Phlox Decussata). A most showy, brilliant summer flower, in bloom from June to October. Flat heads, 6 to 8 inches across. Entirely dormant during the winter, allowing the bed to be planted to pansies or other winter blooming annuals.

PETUNIA. Very hardy, showy plants, free growing, blooming summer and winter. The small, single flowers are the best for winter blooming and very dry locations. The double and the Giant of California are wonderful for size and beautiful color. May be used in porch boxes and hanging baskets. Need pinching back and fresh fertilizer every 3 or 4 months. Double, all colors mixed, Ruffled and Giants of California. Pots, small, 15c each; \$1.50 doz. Single, including Rosy Morn, beautiful pink. Potted, 15c; \$1.50 doz.

PRIMULAS. Chinese and Obconica. Fine subjects for shady beds. 50c doz.

SANTOLINA CHAMAECYPARISSUS (Lavender Cotton). Gray plant, soft, fine foliage, used for dwarf edging, may be trimmed as a miniature hedge. Needs trimming about four times a year. Very hardy and drought resistant. Flats of 100, \$2.50; 75c per doz.

SCABIOSA (Mourning Bride). Hardy, long lived, free blooming. Blossoms somewhat resemble Red Clover. Heads, on long slender stems, beautiful and lasting for cut flowers. All colors. Small plants in flats, 50c.

SHASTA DAISY. Low growing, hardy plants, large, white flowers on slender stems, 10 to 15 inches in height. 50c doz.



STATICE PEREZI

Statice

STATICE. Low growing, mostly spreading broad foliage, making a compact plant, from which spring tall flower stems, bearing large clusters of very minute flowers. The blossoms are of a stiff texture, and are used as dry everlasting cut flowers. On the plant they last for months and are a very pleasing and entirely unique addition to the garden. Grown in either shade or sun. Flower stems 2 to 3 ft. tall.

STATICE CASPIA. New variety; fine leaves and daintiest blue flowers; scarce. Small plants, 20c to 50c.

STATICE LATIFOLIA. Leaves flat on the ground, stands freezing, very small lavender flowers. Pots, 20c to 50c.

STATICE MACROPHILA. Heavy, light green leaves, dark purple, compact clusters. Pots and cans, 35c to 75c.

STATICE PEREZI. Large bluish leaves, very large lavender clusters. Very striking, frosts easily. 25c to 50c.

SWEET WILLIAM (Dianthus barbatus). Very hardy, brilliant flowers in clusters like phlox, many bright colors. Small plants from flats, 50c to 75c doz.

WOODWARDIA RADICANS (Giant Canyon Fern, Brake Fern). Often grows 6 ft. high in our canyons, and one of the hardiest most reliable ferns in cultivation. Splendid wherever large ferns are required and stands poor soil and drought remarkably well. Large plants in cans, 50c, 75c and \$1.00.

VERBENA OFFICINALIS (Bedding Verbena). Perfectly hardy, blooming several years, not affected by frost. Keep trimmed back regularly and spray or dust with Bordeaux to prevent white mildew. Brilliant colors. Seedlings from flats, 50c to 75c doz. Separate colors, giant blossoms, grown from cuttings.

VIOLET (Viola odorata). Princess. Single purple, fragrant, long stem. 50c doz.; larger, 10c each, 75c doz.

DIGITALIS. "Foxglove." An old-fashioned flower with long spikes of tubular flowers; shades of purple, lavender, rose and white. In 2½ inch pots. Per doz 50c; \$2.50 per 100.

Annuals

ANTIRRHINUM (Snapdragon). A hardy winter bedding plant, but often used through the whole year. Tall, slender spikes of brilliant flowers, fine for cutting; all colors. Plants from flats, 50c per doz; \$2.25 per 100.

ASTER, CHINA. One of the most showy summer flowers, fine for cutting, resembles chrysanthemums. Plant in April, May or June. We have both early and late blooming varieties in many colors. Plants from flats, 50c doz.; \$2.00 to \$2.50 per 100.

CALENDULA OFFICINALIS (Pot or Winter Marigold). One of the showiest, hardiest, and freest blooming, winter flowering plants. Flowers orange, golden or lemon yellow on tall straight stems, not injured by frost. Will bloom in summer, but poor quality. Fine for winter bedding, blooms very young and continuously. From flats, 50c doz.; \$2.25 per 100.

CENTAUREA CYANUS (Bachelor's Button). Blue, free blooming annual, growing very fast to 2-3 ft. In flats, 5c each; 50c doz. Pots, 10c each; \$1.00 doz.

CENTAUREA IMPERIALIS. Fairly hardy, blossoms like carnations on long stems, but fluffier, more like thistle blossoms; beautiful color; fine for cutting. From flats, 50c.

COSMOS. Graceful single blossoms; white, pink and red; fine cut flowers in autumn. Grows 6 ft. 50c doz.

LARKSPUR. Double Stock Flowered. A very popular cut flower. Doz. 50c.

MARIGOLD, GOLDEN BALL. This is the extremely double curled and twisted petal variety making a perfect double ball. Doz. 50c.

PANSY. Blossoms from November till June and can be kept in bloom in summer in cooler climates with some cutting back and frequent watering. Frost resistant type. Plants 50c doz.; \$3.50 per 100.

STOCKS. One of the best winter blooming plants, grows 2 to 3 ft., large spikes of fragrant blossoms, all colors. A certain portion always come single flowers. Stands frost well. In flats, 50c per doz.; \$2.25 per 100.

ZINNIA. Immense blossoms, often 6 inches across; brilliant, even gorgeous colors, newer sorts in delicate pastel tints. Blooms young and freely, June until frost; bushy. Plants, 50c doz.; \$2.25 per 100.

Grasses and Terrace Coverings

GAZANIA SPLENDENS (Sunshine and Shadow). Flat spreading plant, very hardy and drought resistant, used for bedding and ground cover. Flat brilliant yellow flowers with black markings in center, close at night and cloudy days. We have the Orange and Lemon Yellow varieties. 75c per doz.

COREAN OR JAPANESE GRASS. A short thick velvety grass suitable for planting around rockeries, pools, patios. Does not need cutting. Flat, 18 in. square, \$2.50.

LIPPIA REPENS (Fog Plant). Flat trailing plant used as lawn and ground cover, very drought resistant, beautiful in summer, flowers resemble white clover. Inclined to grow stemmy with age and in the winter. Flats 18 in. square, well sodded, \$1.50.

MESEMBRYANTHEMUM. These are much used for bedding purposes and planting on banks and hillsides where there is a scarcity of water. They make a gorgeous sight when massed. Perhaps the showiest of them all is the one which produces the large, single, pink flowers. We can also supply plants of the small lavender-colored one, either at 50c per doz.; \$2.00 per 100.

TRAILING LANTANA. A plant of wonderful trailing habit with bright lavender blooms. Suitable for hillsides and steep terraces. Pots 15c; gal cans 35c.

Chrysanthemums and Cannas

From the many varieties of Japanese Chrysanthemums in existence we have picked out those whose merit is unquestioned and which owing to their hardiness are best adapted to the amateur grower. The following varieties will be ready for shipment after April 15th:

WHITE

ALGONAC. White, slightly incurved. High rounding blossoms.

AUTOCRAT. Immense snow white blooms and exceedingly fine foliage.

FLORENCE DENZER. A good white variety.

LYNNWOOD HALL. A splendid cut flower of immense size. Pure white.

MISS MAUDE JEFFRIES. White variety with fine foliage. A fine variety for commercial purposes. Dwarf.

MRS. F. J. TRANTOR. Giant reflexed blooms. Creamy white, occasionally penciled rose pink.

WHITE CHIEFTAIN. A pure white sport of Chieftain, quite as good as its parent.

YELLOW

BESSIE GODFREY. A broad petaled canary yellow. Incurved.

ETOILE DU NORD. One of the richest yellows in our collection. A grand golden yellow color.

GOLDEN QUEEN. The best yellow for October. Matures about the 10th. Incurved.



MAJOR BONAFFON

MAJOR BONAFFON. Incurved yellow of regular formation. One of the best commercial varieties.

MAD. PAOLO RADAELLI. A very large yellow, faintly tinted pink.

MRS. R. C. PULLING. Clear, bright yellow in color and a flower of large size. One of the best varieties for exhibition purposes.

RED

ADELE GRISWOLD. Bright red in color. Fine stem with excellent foliage.

EDGAR SANDERS. Bronze with lighter reverse. Extra large flowers. Fine, heavy foliage.

T. QUITTENTON. Reflexing deep crimson red. Immense size.

INTENSITY. Red bronze reverse. A strong grower.

WILLIAM R. MEREDITH. Dark crimson red with gold reverse. Fine foliage, good stem. An unusual color.



JAPANESE CHRYSANTHEMUM

PINK

CHIEFTAIN. A very popular commercial pink. Extra good stem and foliage.

LADY HOPETOWN. Light pink. A beautifully formed bloom. Dwarf.

LAVENDER QUEEN. A large reflexed lavender pink.

MEUDON. One of the best pinks in cultivation. Immense in size. Unsurpassed.

MISS LUCY EVANS. A beautiful shade of heliotrope pink. Center petals incurved, outer petals reflexed.

MRS. COOMBES. A pleasing shade of deep pink.

PURPLE

MRS. T. CARRINGTON. Rosy purple with silver reverse. Good foliage, fine stem and large blooms.

MONS. ANTONIN. MARTMONTEL. Rosy purple. Enormous exhibition variety. Price of any of the foregoing varieties, each 25c; per dozen \$2.50; per 100 \$17.50.

Pompon Chrysanthemums

There is an ever increasing demand for this type of small flowered "mum" owing to the fact that they are the easiest to grow and need no disbudding. This type is unsurpassed for interior decoration as their dainty blossoms keep many days. For massing or bedding in the garden they are equally desirable. Price 20c each, \$2.00 per doz.

GOLDEN CLIMAX. A beautiful shade of yellow; flowers of medium size and very effective when cut.

MRS. FRANK BEU. A minute flowered pompon variety. Bright sunflower yellow in color. The dainty flowers composing large trusses, scarcely reach a diameter of half an inch. Although one of the smallest of all pompon Mums, it possesses a grace and elegance of unsurpassed beauty. Highly recommended.

GOLDEN WEST. Very small flowered, borne in abundant clusters; color rich canary yellow.

MARY. A magnificent pink variety, flowers being of medium size; very free blooming.

NEW YORK. Easily one of the finest of all pompon Mums by way of color. A superb shade of reddish bronze. Flowers of moderate size, freely produced on well-branched trusses. A gem for cutting.

RITA. A very dwarf free flowering pompon. A lovely shade of chestnut red. The flowers are quite small—almost a replica of Golden Climax in general contour.

Cannas

Any of the following 15c each, \$1.25 per doz., postpaid in California, Arizona or Nevada:

HUNGARIA. Semi-tall, green foliage, flower extremely large of deep salmon pink color. Extra fine.

BEACON. Green foliage. Moderate size flowers of very rich cardinal which are produced in great masses. A remarkable bloomer. Height 4 to 5 ft.

KING HUMBERT. A wonderful variety with bronze foliage and beautiful large scarlet flowers. Grows about 4½ feet. Free blooming.

YELLOW KING HUMBERT. A sport of the well known variety King Humbert. Same habit of growth but with dark green foliage. Flower very large, beautiful deep rich yellow heavily spotted and blotched with bright red.

Ornamental Trees and Shrubs

Important

Quotations are at Store, Los Angeles,
Postage or Express Extra
No Plants Sent Out C. O. D.

OUR TERMS Are Strictly Cash with Order

HOW TO ORDER. Write your name, postoffice, state and express office plainly on every order and every time you write to us. Give plain shipping directions, where none are given us we use our best judgment, but it must be at the customer's expense and risk. Use one line for each kind ordered.

ACACIA BAILEYANA. Silver wattles with fern-like foliage. Fine for dry situation. 2 to 3 feet. Each 75c.

ACACIA MELANOXYION (Blackwood Tree). A strong upright growing tree. Very desirable for parks and street ornamentation. 50c each.

ACACIA MOILISSIMA. A fine erect-growing tree, with glaucous green, feathery foliage, flowers yellow, produced in early spring in great profusion. A rapid-growing tree. 2 to 2½ feet, 50c each; 3 to 4 feet, 60c each.

ACACIA RETINOIDES FLORABUNDA. Pendulous habit; sea-green foliage; very floriferous and sweet perfumed. 2½ to 3 feet. 50c each.

ABELIA GRANDIFLORA. A garden hybrid. Free-flowering shrub with small, opposite, glossy green leaves. Flowers are tubular, almost an inch long, white flushed lilac pink. The large, ruddy sepals remain after the flowers fall, adding to the showy effect all summer. A very fine shrub. 50c each.

ARBOR VITAE, GOLDEN. A very choice shrub. It is of a low, compact growth; foliage beautiful golden-yellow. For lawn adornment it is unsurpassed, the yellow foliage contrasting to perfection with the green lawn. Balled, 1 foot. \$2.50 each.

ARBUTUS UNEDO. "Strawberry Tree." Europe. 10 ft. A bushy spreading, medium sized shrub with rich green foliage very similar to California Holly. Has many delightful little pearly white bell-shaped flowers in summer, followed by clusters of brilliant red strawberry-like fruits, ripening about Christmas time. A beautiful shrub and very hardy, as it stands heat, cold and drouth. Gal. containers, 75c.

BROOM, SPANISH. An upright growing shrub. Flowers yellow, producing very freely in the spring and summer. Pot grown, 2 to 3 feet. 50c each.

BUXUS JAPONICA. Japanese-Box. A handsome species characterized by its very glossy foliage, which has a pleasing, light green shade. Leaves usually notched at the tip. Makes an excellent hedge, as it is of very even and comparatively rapid growth, hence easily kept in shape. 3 to 4 inches 75c per doz.; \$3.50 per 100.

CALIFORNIA HOLLY (*Heteromeles arbutifolia*). Hardy native evergreen. In winter the large clusters of red berries are very attractive against glossy, dark green foliage. In gallon containers, 60c each.

CALIFORNIA LIVE OAK (*Quercus agrifolia*). A familiar sight in our California landscapes, which adds so much to its beauty. 2 to 3 feet, 50c each.

CALIFORNIA REDWOOD. 1½ feet, 60c each.

CAMELLIA JAPONICA. Japan. 6 to 10 ft. These very popular and beautiful shrubs, with their exquisite and showy wax-like flowers so admired in the winter, were formerly imported and are now very rare. We are able to offer two of the most beautiful colors this year.

SEEDLINGS. \$1.50 gal. can.

PINK PERFECTION. Grafted, shell pink, very double. 1½ ft. \$3.50.

RED AND WHITE VARIEGATED. Grafted, large, double flowers. 1½ ft. \$3.50.

CAMPHOR TREE. A fast-growing, very symmetrical, ornamental tree, thriving in the very poorest soil. A native of Japan. Bright green foliage; well adapted for lawn purposes. 2 feet, 75c each.

CASUARINA STRICTA. Its upright growth and reed-like foliage make it an ideal street tree. Will grow in most any soil and stands considerable drouth. 2 to 3 ft., in gallon cans, 75c.

CERATONIA SILIQUA. Carob. St. John's Bread Mediterranean region. (T) 40 ft. Although of great economic value on account of its edible pods, this splendid tree is also one of the handsomest ornamentals adapted to our climate. It is of regular growth with spreading branches forming a rounded head. Leaves are pinnate, with large, leathery, deep green, glossy leaders. Very resistant to drought and not inclined to become dusty. 2 to 3 feet, 50c each.



GROUP OF CONIFERS

CHORIZEMA ILICIFOLIA. Australia. 3 ft. An attractive shrub with slender drooping branches, holly-like leaves and orange red flowers in loose racemes. It makes a low dense mat of foliage and blooms continually throughout the winter and spring. Gal. containers, 75c.

CHOISYA TERNATA. Mexican Orange (S). 8 ft. Compact shrub of rather slow growth. Leaves light green, divided into three leaflets, fragrant when crushed. Bears a profusion of white, very fragrant flowers in broad clusters. 50c.

COTONEASTER PANNOSA. A vigorous-growing shrub of a droopy habit. Gray foliage, has white flowers followed by deep red berries. 18 inch, 50c.

C. FRANCHETTI. Similar to the pannosa in the habit of growth, not quite as tall growing. Large yellow berries, gray foliage. 18-inch, 50c.

C. MICROPHYLLA. Low, prostrate, densely branched, small leaves, shining green, red berries. 18-in, 50c.

COPROSMA BAURI. New Zealand. (S) Low-growing shrub, or can be trained up as a low climber. Leaves are rounded, green and wonderfully glossy, exceeding any plant we know of in this respect—dust will not stick to them. Flowers are inconspicuous, but followed by clusters of showy, yellow berries. 35c each.

CRAPPE MYRTLE (Crimson and White). Words fail to convey an adequate idea of the beauty of this shrub. They succeed best in a warm section and blossom for a long period; the flowers have curiously crumpled petals. 2 feet. 75c.

CRATAEGUS LELANDI. The most prolific bearer of beautiful orange berries, that hang in great clusters over the entire bush from late summer to the last of February. 18-inch, 50c.

C. AUGUSTIFOLIA. This plant originated in China. Growth spreading somewhat shiny, leaves long and narrow, berries very abundant of orange yellow color and holding throughout winter. 18-inch, 50c.

C. CRENULATA. An excellent tall growing shrub bearing white flowers in the spring, followed in the fall with clusters of bright red berries. 18-inch, 50c.

CRYPTOMERIA JAPONICA. The Cryptomeria thrives best in a dry, hot climate; therefore it is just the tree for this State. It is of rapid growth, and is very ornamental as a young tree. Gallon can, \$1.00.

CYPRESS, LAWSON. This California species has great beauty. It is of rather an upright growth; the branches droop gracefully, and the foliage is of a lovely sea-green color. 50c each.

CYPRESS, MONTEREY. A native of California, and one of the most desirable of evergreens. Very extensively planted for hedges. Gallon cans, 2 ft., 50c.



LAURUS—BAY TREE

DIOSMA ALBA. Breath of Heaven. A handsome little shrub, with heath-like foliage and small, white, star-shaped flowers. The leaves when bruised emit a sweet perfume. 50c each.

ERICA MELANTHERA. One of the most desirable of the Heath family. Throughout late winter and spring the whole bush is literally covered with light rose-colored flowers. Balled 1½ to 2 feet. \$1.50 each. Large plants, 50c each.

EUCALYPTUS FICIFOLIA. (Scarlet flowering gum.) Very ornamental dwarfish variety. Large glassy leaves. Flowers in large clusters usually on end of the branches. Gallon containers, 75c.

EUCALYPTUS GLOBULUS. Tasmanian Blue Gum. One of the most useful of all and a very rapid grower. Transplanted in boxes, \$4.00 per 100. Ask for special quotations on quantities. Large plants, 50c each.

EUONYMUS JAPONICA. One of the finest evergreen ornamentals for hedges or for individual planting. Erect habit, with beautiful glossy foliage. Can be trimmed into almost any shape. 50c each.

EUGENIA MYRTIFOLIA. "Brush Cherry." Excellent shrub of easy culture; of erect and compact growth. Foliage glossy green. The new growth takes on a reddish hue, which gives it a unique appearance. Flowers myrtle-like. 1 to 1½ feet, gal. cans, 50c.

GARDENIA FLORIDA. "Cape Jasmine." 2 to 4 ft. A beautiful flowering shrub with bright green, glossy foliage. The double, wax-like flowers are exquisitely fragrant and always admired. Stays small in California. 6 to 12 inches, \$1.00.

GENISTA CANARIENSIS. A free blooming shrub growing to 7 or 8 ft. high. The leaves are small and the flowers are bright yellow. Gallon containers, 75c each.

GENISTA FRAGRANS (Cytisus racemosa). "Sweet Broom." Canary Islands. 6 ft. A delightful spring and summer flowering shrub with many small grass-green leaves and absolutely covered when in bloom with pea-shaped bright yellow flowers. The best of all the Brooms for general use. Gallon can, 75c.

GENISTA SCOPARIUS (Scotch Broom). Rigid, erect branches. Large, dark yellow flowers that resemble Sweet Peas. Gallon containers, 75c each.

GREVILLEA THELEMANNIA. Beautiful ever-green shrubs having fine feathery foliage and producing throughout the summer clusters of brilliant scarlet flowers, borne on the ends of the branches. Potted, 1½ to 2 feet, 75c.

HIBISCUS SINENSIS. "Chinese Hibiscus." Asia. 6 to 10 ft. One of the showiest summer blooming shrubs with large glossy leaves and immense bright colored flowers. Likes a sunny position and does not stand frost. We can supply the following colors: Peachblow, Apricot, Single Red, Double Red. Potted, gallon containers, 1 to 2 ft., 75c.

HYPERICUM MOSERIANUM. Produces long, slender, much branched stems, leafy to the base and all drooping towards the ends; it is marvelously free flowering, of large size, measuring from 2 to 2½ inches in diameter; in color a rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers; blooms continuous the entire season. Strong plants, 75c each.



NERIUM—OLEANDER

JACARANDA OVALIFOLIA (J. Mimosae-folia). Brazil. 50 ft. Symmetrical tree with bipinnate, extremely finely divided, large leaves. Flowers tubular, violet blue, with large panicles. Too tender for sections that have severe frosts. Highly valued wherever it will thrive. 50c each.

LAURUS LUSITANICA. (Portugal Laurel.) Blackish green, glossy leaves. Fragrant flowers borne in large panicles. In gallon containers, 75c each.

LAURUSTINUS. A well-known winter-flowering shrub of great beauty, producing an abundance of white flowers; well adapted for hedges. 35c each.

LEMON VERBENA. A fast growing shrub with very fragrant foliage. Bears minute lavender-white flowers in delicate pink spikes. 18 inches high, 50c each.



PITOSPORUM UNDULATUM

LEPTOSPERMUM LAEVIGATUM. "Australian Tea Tree." 15 ft. Large spreading shrub with graceful arching branches; foliage grayish-green; covered in the spring with a profusion of small white flowers; grows rapidly and produces a quick effect. Gallon can, 50c

LIGUSTRUM CILIATUM VARIGATUM. (Golden Privet.) One of the best hedge plants or specimen bushes. A fast grower. The leaves are bright golden yellow trimmed with bright green at the edges, flowers white. Gallon containers, 18-inch, 50c.

LIGUSTRUM JAPONICUM (Japan Privet). Produces large clusters of white flowers slightly fragrant, followed by purplish blue berries, leaves glossy, leathery, dark green. A large-growing shrub, or small tree. Makes an excellent hedge; stands trimming well. It also makes a very handsome sidewalk tree when trimmed up. In flats, \$2.50 per 100.

LIGUSTRUM NEPALENSE (Evergreen Privet). Small dark green leaves slightly ruffled. Used mostly for hedges although they make effective specimen plants. Flats of approximately 100 small plants, \$2.50.

LILACS BUDDED. Five varieties of the best varieties for this climate. \$1.00 each.

MYRTLE, COMMON. A dwarf shrub with shining green leaves and fragrant white flowers. 50c each.

NERIUM. Oleander. The Oleander with its brilliant, showy blossoms, is a beautiful shrub throughout all of California, doing particularly well in the Imperial Valley and Arizona, and it gives a quick effect wherever planted. We have an excellent assortment of colors. Gallon cans, 50c.

NANDINA DOMESTICA. "Japanese Nandina." 5 ft. A beautiful, upright growing, dwarfish shrub; native of China and Japan. Leaves compound, with numerous small leaflets, rich red when young, dark green at maturity, and assuming beautiful coppery tones in winter. It thrives in any well drained, loamy soil, and is quite hardy. In the autumn it is covered with showy clusters of small red berries. Potted, gallon containers, 1 to 1½ ft., 50c.

PEPPER TREE. A most popular shade and ornamental tree, with fine feathery foliage; producing clusters of reddish berries in autumn. 50c.

PINE, MONTEREY. The most desirable pine for shade, and more extensively planted than any other variety in this State. Pot grown, 2 to 2½ feet. 50c each.

PINUS CANARIENSIS. A quick-growing pine with beautiful foliage. 50c each.

PITTOSPORUM EUGENOIDES. A large, upright-growing shrub, with glossy yellowish green leaves; a very effective shrub, and excellent for hedges. 50c each.

PITTOSPORUM TOBIRA. A dense globular shaped shrub from Japan. Has clusters of small white flowers. Hardy and easily grown. Gallon containers, 50c each.

PITTOSPORUM UNDULATUM. Flowers sweetly scented; very desirable. 1½ feet. Each 50c.

POINSETTA. "Flor de Pascua." The pride of southland at Christmas time. 50c each. 3 to 4 ft., \$1.50.

SNOWBALL. Produces large, globular pure white flowers in great luxuriance, 2½ feet. Each 50c.

SPIRAEA. A. Waterer. A fine new dwarf variety, with dark crimson flowers. 1½ feet. Each 50c.

SPIRAEA VAN HOUTTE. Bridal Wreath. Flowers double white, produced along the branches in great profusion. Each 50c.

STERCULIA DIVERSIFOLIA. "Bottle Tree." 25 ft. One of the many Australian trees that find favor in our Southwest. Has a very large trunk at the base for so small a tree, but is a light feeder, stands extreme heat or cold, requires very little water and in the spring has many little spotted cream colored flowers. 50c.

TAMARIX PARVIFLORA. 20 ft. Shrub or small tree with reddish brown bark and slender spreading branches. In the spring and early summer is covered with feathery pink flowers. Stands extremes of climate well. Gallon can, 50c.

TAMARIX ARTICULATA. "Athele Tree." Western Asia. 30 ft. A fast growing bushy tree much used as a windbreak during the last few years, in the hot dry sections of the Southwest. Has slender, jointed branches and gray-green foliage. Must be grown from cuttings planted where trees are to remain. Leave only 1 or 2 inches of cutting above ground. Cuttings 12 in. long, \$3.00 per 100; gal. can, 50c.

VERONICA IMPERIALIS. New Zealand. 3 ft. Low bushy plant used for borders and low foreground shrubbery. Has smooth dark green foliage and during most of the year bears short spikes of reddish purple flowers near the tips of the branches. A very valuable ornamental for California plantings, particularly near the coast. Gal-

VERONICA IMPERIALIS. "Purple Queen." Bush same as above, but with beautiful large spikes of brilliant bluish-violet. Gallon cans, 50c.

WEIGELIA ROSEA. Elegant shrub from Japan; they produce superb large, trumpet-shaped flowers of a fine rose color. 2 to 3 feet. 50c each.

Plants for the Home Garden

Make Plant Orders on Separate Sheet from Seed Orders

The Home and Garden Page

NOTE—With any order (accompanied by remittance) of \$1.50 and over, we will send prepaid to any post office or route or by prepaid express within 600 miles of Los Angeles any Plants under this head.

Artichokes

SUCKERS. 20c each; \$2.00 per doz.

Asparagus

Ready from Dec. 1st to April 1st.

GIANT ARGENTENIL. Large light green. 35c per doz.; \$2.00 per 100; \$12.00 per 1000.

PALMETTO. Green. 35c per doz.; \$2.00 per 100; \$12.00 per 1000.

Egg Plants

Ready March

50c doz. postpaid; \$3.50 per 100, express paid.

Cabbage and Cauliflower

Ready Sept. 1st until March 1st

20c per doz.; \$1.00 per 100, postpaid.

Celery

Ready April until September
50c per doz.; \$2.50 per 100, postpaid.

Chives

Large bunch, 10c; \$1.00 per doz., postpaid.



TALL CURLY KALE

Tomatoes

Ready after Jan. 30th until June 1st
EARLIANA; STONE; BEEFSTEAK. 35c per doz.; \$1.75 per 100, postpaid.

Peppers

Ready Jan. 30th until June 1st
BELL; CHINESE GIANT; CHILI; PIMIENTO. 50c per doz.; \$1.75 per 100, postpaid.

Kale

20c per doz.; 75c per 100, postpaid.

Rhubarb

PANAMA. A new large stemmed variety. Each 35c; per doz. \$3.50; postpaid.

WAGNER'S GIANT. 15c each; \$1.50 per doz.

Horse Radish

CULTURE. Prepare the soil by working it deep as should be done for any root crop. Plant 12 to 18 inches apart in rows 3 feet apart. Set the roots as you receive them one at a place in a perpendicular position leaving the upper end just at the surface of the ground.

MALINER KREN. 35c doz.; \$2.00 per 100.

Sweet Potatoes

YELLOW NANSEMOND. Red Jersey. \$1.00 per 100, postpaid; \$7.50 per 1000, f.o.b. Los Angeles.

Herbs

25c each, postpaid; \$2.50 per doz., express paid
THYME; SAGE; LAVENDER; MARJORAM; MINT.



BAC-SUL—FOR THE SOIL

Bac-Sul is different from ordinary sulphur as clay is from sand. Bac-Sul is an inoculated sulphur. The bacteria that give life to sulphur are bred and then added to the sulphur. Results prove conclusively that on lawns, vegetable crops, citrus groves, and all fruit trees, Bac-Sul yields bigger and better crops by putting the plant food that is already in the soil in a form that the plant can use it.

Write for prices and free bulletin telling the wonderful results of Bac-Sul.

POPPY BRAND SULPHUR

The finest dusting sulphur manufactured, goes farther and lasts longer than other sulphur, for it is broken up in much smaller particles. Used by the largest and most successful growers. Prices on application.

Write for booklet which tells you why POPPY SULPHUR is the best. This booklet is free!



Citrus and Deciduous Fruit Trees

If wanted in quantities of ten or more of a kind ask for prices, submitting list for quotation.

Important

Quotations on Plants, Trees and Shrubs are all Free on Board Cars (packed for shipment) Los Angeles, Calif., and freight or express at purchaser's expense; where not otherwise quoted. No plants sent out C.O.D.

Fruit Trees

HANDLING BARE ROOT STOCK

Plant your trees and vines as soon after receiving them as possible—do not allow the roots to get dry. Dig the hole large enough to take the roots without crowding them. Set the tree and fill in enough to hold the tree upright then put on enough water to settle the soil about the roots when it is soaked up, fill up the hole, make a hasin about the tree and water every 10 days or 2 weeks again. Prune the tree back to a single stem 20 to 36 inches.

When setting out halled trees do not remove the burlap, as to remove it may crack the hall dirt around the roots and injure them. Set the tree in a hole and fill in about two-thirds of the soil then cut the top string of the burlap and throw in the remainder of the soil. Make a shallow hasin around the tree which fill with water to settle the earth around the roots. Use no fertilizer at time of planting, this may be applied after the tree gets established and is growing.



FUERTE AVOCADO

Avocados

This tree not only produces one of the most delicious fruits, but is equally as well classed as an ornamental evergreen. Until within a few years it was looked upon as a purely tropical product, but is now being successfully grown in Southern California.

FUERTE. Very rich and also quite large. One of the best. \$5.00 each.

LYON. A strong grower and abundant bearer. Fruit greenish purple, weighing 10 to 20 ounces. \$5.00 each.

SPINKS. This we consider one of the very best varieties. Fruits very large, weighing one to two pounds when ripe, and of a deep purple color. A prolific bearer. \$5.00 each.

SEEDLINGS. Plants eight by twelve inches high at 50c each.

Citrus Trees

These are all balled plants and should be sent by freight.

Any of the following list we can supply at \$2.50 each, except where noted.



WASHINGTON NAVEL ORANGE

Oranges

WASHINGTON NAVEL. Seedless. This is the most popular variety of orange in Southern California. The tree is a thrifty grower and is a prolific bearer. The fruit is large, flesh meaty, tender and sweet. Peel smooth and tough. Ripens December to April. \$2.50 each.

VALENCIA. Next in popularity to the Washington Navel. As the navel season closes the Valencia season begins, and lasts through the summer and fall months. Tree a strong grower and very prolific. Fruit medium size, ohlong, firm and having few seeds. Ripens May to October. \$2.50 each.

TANGERINES. Dancey. Orange red skin. Pulp highly flavored and of the best quality. Ripens February to May. \$3.00 each.

Lemon

EUREKA. This is the leading variety. Fruit uniform and of medium size. Rich in juice of the highest quality with few seeds. Bears heavy and continuously, especially during the summer months when lemons are in the greatest demand. Finest variety for shipping. \$2.50 each.

Grapefruit

MARSH SEEDLESS. Fruit of good size; juice abundant and of exceptionally fine flavor; rich and piquant. Rind thin and lemon yellow. Tree compact and vigorous growing. \$2.50 each.

Lime

MEXICAN. An old and well-known variety. Fruit medium size. Tree semi-dwarf habit and quite prolific. \$3.50 each.

Kumquats

Trees are dwarf producing in great abundance small, handsome, olive-shaped fruit of rich golden hue. Highly ornamental. \$5.00 each.

Loquats

SEEDLINGS. Two to four feet. 2 ft. 50c; 3 to 4 ft. seedling \$2.00; 3 to 4 ft. huddled \$3.50.

Deciduous Fruits

Apples

Price, 4 to 6 feet, 75c each.

BELLFLOWER. In California this variety reaches its highest type of perfection and is one of the most highly esteemed varieties grown. One of the best for this section of the country.

GRAVENSTEIN. Tree a vigorous grower, fruit large, skin yellow splashed with red and orange, flesh tender, crisp and highly flavored, a strong growing and heavy bearing tree. A standard fall apple in this State. August.

JONATHAN. Medium size, conical. Skin light yellow, with red stripes, and deep red in the sun. Flesh tender, juicy and rich. One of the best apples for Southern California, including the Mountain Valleys and Plateaus. October to December.

NEWTON PIPPIN. Fruit large, golden yellow, flesh firm, crisp and juicy. Extensively grown in California. Good keeper.

RED ASTRACHAN. Large, early, bright red; a fine early kind.

RHODE ISLAND GREENING. Large and round. A fine apple for table cooking. Flesh yellow, fine grained, tender, crisp, juicy, slightly acid. A healthy and very popular tree. October and November.

ROME BEAUTY. Large and roundish, yellow shaded and striped with bright red. Flesh yellowish, juicy and sprightly. Good late keeper. One of the very best varieties for the mountain valleys of Southern California. November to February.

WHITE WINTER PERMAIN. One of the universal apples in California. A big commercial variety. Flesh yellowish, crisp, tender and juicy, with an elegant sub-acid flavor. A strong and healthy grower. Succeeds well in all parts of the State. November to January.

WINESAPS. Medium size, roundish ohlong. Color of skin, dark red. Flesh yellow, crisp and rich flavor. A good bearer and largely grown. An excellent table variety and one of the best for cider. November to February.

WINTER BANANA. A comparatively new variety. Fruit large and well formed, yellow shaded with red. Flesh yellow with a rich aromatic sub-acid flavor of the best quality.

Crab Apples

Priced same as apples

RED SIBERIAN. Fruit about an inch in diameter; yellow, with a scarlet streak.

TRANSCENDENT. The most popular of the crabs. Trees vigorous and very productive. Skin yellow with red stripes. Fine for jellies and preserves.

Almonds

Each 75c

ALMONDS, I. X. L. One of the popular varieties, medium soft shell; tree a strong grower.

ALMOND NE-PLUS-ULTRA. Nut large, soft shell; a regular and heavy bearer; an old standard sort.

Apricots

Each 75c

BLLENHEIM. Fruit large and oval; orange color; flesh deep yellow; rich and juicy. A great favorite for canning and for drying. Middle of June.

ROYAL. Fruit medium, oval, slightly compressed; dull yellow; flesh pale orange, with rich, vinous flavor; more extensively planted than any other variety; excellent for canning and drying.

TILTON. Large, deep color, flesh firm and sweet, uniform in ripening and very productive. Early.

Chestnuts

Well adapted for certain sections of Southern California. Nuts highly valued and tree very ornamental. Grafted plants \$2.50.

Cherries

Each 75c

**BLACK TARTARIAN CHERRIES**

BLACK TARTARIAN. An old standard; tree a remarkable vigorous, erect and beautiful grower and an immense bearer; fruit deep purplish-black; flesh rich, juicy, delicious.

LAMBERT. Large, rich, purplish red. Flesh firm and of good quality. Heavy bearer. Good market variety. June.

NAPOLEON BIGARREAU (Royal Ann). A magnificent Cherry of the largest size; pale yellow, becoming amber in the shade, with a bright red cheek; flesh very firm, juicy and sweet; tree rapid grower and immense bearer; excellent for canning, preserving and shipping.

Figs

Each 75c

2 year old branched \$1.00

**WHITE SMYRNA FIG**

BROWN TURKEY. This is a very large fig; color violet brown; the earliest of all large figs.

KADOTA. A white fig of medium size, prolific bearer. Trees bear when very young.

MISSION (California Black). The large black fig most common in California. It is a good grower and bearer.

WHITE PACIFIC. Large size fig; color green; flesh light pink. When fully ripened as sweet as honey; a good producer.

WHITE SMYRNA. A medium-sized tree of spreading habit; fruit skin thin, grayish-green; a splendid table fig.

CAPRI OR WILD. Capri No. 1. A rapid grower. Proficient crop ready for distribution first week in June. Each, \$1.00.

Olives

Each \$1.50

MANZANILLO. Strong grower. Fruit large and oval shape. Very prolific and the best for commercial purposes.

Peaches

Each 75c

FREESTONE

EARLY CRAWFORD. Very large, oblong; skin yellow with fine red cheek; flesh yellow; very sweet and excellent.

ELBERTA. Large, bright yellow with a beautiful mottled red cheek; flesh yellow, juicy, sweet; a good bearer and strong grower; an excellent market variety.

GEORGE THE FOURTH. Large round, skin creamy white with red cheek. Flesh pale, juicy and rich. Esteemed for its exquisite flavor. Very desirable for the home garden. August.

J. H. HALE. A freestone of large size; highly colored; the flesh is yellow and extremely firm, yet tender and delicious. Unsurpassed for canning or for a fresh table fruit. Ripens about the same time as the Elberta. One of the new varieties.

LOVELL. The leading commercial freestone for canning and drying. Vigorous grower and good producer. Flesh firm and yellow to the pit. August.

**LOVELL PEACH**

MUIR. Fruit large to very large; perfect free-stone; flesh clear yellow, very dense, rich and sweet; pit small, a good bearer and strong grower. One of the most popular varieties for canning and especially adapted for drying.

SALWAY. Large round, skin downy, creamy, rich, clear, crimson cheek; flesh deep yellow, red at the pit, juicy and sweet. A standard late peach. Tree very healthy. September.

STRAWBERRY. Extremely early peach, a good variety of the earliest market, white flesh.

CLINGSTONES

PALORA. A new variety that is very popular with the commercial growers. Flesh is orange color, very sweet and firm. Bears an abundance of fruit, ripens between Tuscan and Phillips.

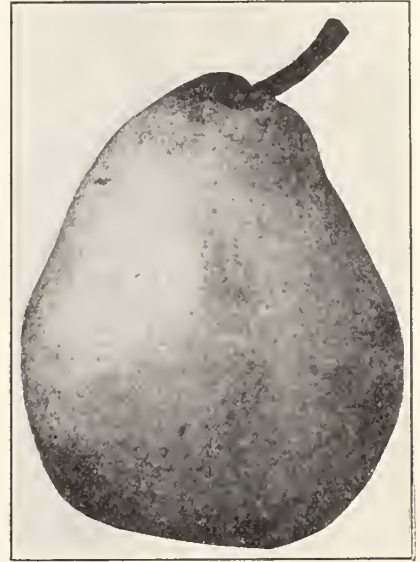
TUSCAN. The best early canning peach. The flesh is yellow, firm and sweet. Large in size and has a deep red cheek. July.

PHILIP'S CLING. The standard of excellence among canning peaches. It is large, round with a blush on the sunny side.

WHITE HEATH CLING. Creamy white, blush on the sunny side. Flesh white, tender and juicy. September.

Pears

Each 75c

**BARTLETT PEAR**

BARTLETT. There is no occasion to describe this variety, so well known is it. Ripe in August.

BEURRE BOSE. A handsome large pear with long neck. Juicy and delicious, keeps well. Tree hardy and productive. September.

WINTER NELIS. Medium size, yellowish green with grey russet; flesh yellowish white, fine grained, buttery, melting, juicy and rich. November to January.

Persimmons

Trees 4 to 6 feet, \$2.50

HACHIYA. This tree is a very vigorous grower of upright habit. Fruit very large and oblong and of very fine quality. Early.

TANE NASHI. A strong vigorous grower and a very prolific bearer. Owing to the large size of the fruit and lack of any seeds, it is a distinct favorite. Skin light yellow changing to bright red when fully ripe. Ripens in September and is recommended for drying.

Plums

Price, 4 to 6 feet, 75c each.

BURBANK. Large, yellowish ground, with red cheeks; flesh yellow, firm and very sweet when fully ripe.

DAMSON. Fruit small oval shaped. Skin purple. Flesh juicy, rather tart and very desirable for making jam. September.

DUARTE. True blood plum resembling the Satsuma in appearance. Of good flavor and quality. Earliest blood plum on the market. July.

GREEN GAGE. Medium size, round. Skin yellowish-green. Flavor rich and sweet when fully ripe. An old favorite. August.

KELSEY JAPAN. A very large, heart-shaped; skin mixed yellow and purplish color covered with bloom. Flesh yellow, very firm, and clings somewhat to the pit which is very small.



SANTA ROSA PLUM

SANTA ROSA. Fruit large and fine. When ripe a rich deep purple with amber flesh near the stone shading to deep crimson near the skin. Quality and beauty unsurpassed. Highly valued both for shipping and for home use. Early July.

SATSUMA. Large, dark red; flesh red, firm, solid, juicy and delicious flavor. A small pit; ripens early in August and is a valuable shipping plum.

WICKSON. Fruit very large, heart-shaped. Skin light red to rich claret. Flesh deep amber and fine. August.

Prunes

Price 75c each

SUGAR. The new creation of Burbank's has probably attracted more attention among horticulturists than any other Prune of recent introduction; early tree; vigorous, carries a high percentage of sugar, dark purple flesh, tender and rich.



FRENCH AND SUGAR PRUNE

IMPERIAL. Good size, light purple, thin skin. Flesh full of flavor and very sweet.

FRENCH. Medium size, egg shape, violet purple; very sweet and sugary; the most extensively planted for drying.

Pomegranates

Price 75c each

WONDERFUL. Very ornamental growing shrub with beautiful yellow fruit. Pulp is of rich garnet color, juicy and a pleasing slightly sub-acid flavor.

Nectarines

Price 75c each

BOSTON. Large, yellow with red cheek, flesh yellow, sweet and fine flavor. Free-stone. Ripens late in July.

STANWICK. One of the leading varieties. Large size, flesh white, juicy and very sweet. Skin greenish yellow with red cheek. Very desirable for family orchard. Ripens in August.

Quinces

Price. 4 to 5 feet, 75c each

APPLE OR ORANGE. Large; bright yellow; the best.

Walnuts



EUREKA WALNUT

PLACENTIA PERFECTION. Best for along Coast districts. Each, \$2.50 (budded).

EUREKA WALNUTS. (Budded.) Best for interior valleys. Each, \$2.50.

Grapes

Price 20c each; \$2.00 per dozen
Postpaid. Except where noted

BLACK CORNICHON. Fine table grape. Strong grower. Fruit very dark purple, olive shape and of fine flavor. October.

BLACK MOROCCO. Good bearer. Fruit large, sweet, juicy, and purplish black when ripe. Late September.

EMPEROR. Strong grower and heavy producer. Bunches large and long. Fruit large, thick skinned, oblong and deep rose color. October.

FLAME TOKAY. Beautiful foliage, particularly productive and bunches very large often weighing eight pounds. Fruit large oblong firm and of beautiful red color. September.

BLACK MISSION. The old standard wine grape.

ZINFENDEL. (Purple.) A variety both good for table or wine.

MALAGA. Strong grower with plenty of foliage. Bunches exceptionally large. Berries oval and yellowish-green. Flesh firm and of excellent quality. August.

MUSCAT. The most popular white grape grown. Splendid to eat in green state and the best for a raisin grape. Ripens in September.

THOMPSON'S SEEDLESS. Fine for raisins. Sugar percentage very high. Also good table variety. August.



EMPEROR GRAPES

AMERICAN VARIETIES

35c each, 3 for \$1.00

CONCORD. Very fine for home garden. Fruit large, round, and glossy black. Exquisite flavor. August.



CONCORD GRAPES

NIAGARA. Best white American type of grapes. Bunches medium size and compact. Greenish white. Fine flavor.

PIERCE CONCORN OR CALIFORNIA CONCORD. This variety is highly valued for its ornamental appearance and its fine eating qualities. Strong grower, heavy producer, foliage of exceptional size and bunches very large. Fruit very large, glossy black of fine flavor and aroma. Highly recommended.

Take advantage of our Special Coupon Order Sheet.

The Berry Fruits

Blackberries

COREY'S THORNLESS. This is a wonderful new berry, with all of the excellent qualities of the Mammoth, but absolutely thornless. Makes a vigorous growth. Fruit large and surpasses all other blackberries in flavor. Very prolific and being thornless makes picking easy. 25c each; \$2.50 per doz.



COREY'S THORNLESS BLACKBERRIES

HIMALAYA GIANT. A remarkable grower, canes growing 40 feet in a single season. It should be trained on a trellis; a tremendous bearer and good shipper. Very few seeds. For canning and jams it has few equals and is also a fine table fruit. 15 cents each; \$1.50 per dozen.

MAMMOTH BLACKBERRY. A mammoth in growth and unlike any other blackberry plant. In a favorable season it has attained a growth of 20 feet. The foliage is large and thick and of a deep green color. Fruit is enormously large, some berries being 2¼ to 2½ inches long; ripens three weeks before other kinds. Of delicious flavor and sure to become a great favorite. To obtain the best results plant upon a trellis, which should be set 10 feet apart and set in the plants 6 to 8 feet in the rows. 15c each; \$1.50 per dozen.

LOGANBERRY. A cross between the raspberry and the blackberry, and partaking of the flavor of both, only more delicious than either. Seeds few; ripens early; excellent for table either raw or stewed. This berry is unlike any other in existence. Fruit very large, dark red and produced in immense clusters. One of the finest berries in existence. The best results are obtained by growing on a low trellis. Plant in rows seven feet apart and six to eight feet in the row. 15c each; \$1.50 doz.

GARDENA DEWBERRY. This is known as the trailing Blackberry on account of trailing habit of growth. It is a strong grower and an abundant bearer. Should be grown on a trellis to obtain the best results. The fruit is large and black and glossy, very sweet and delicious. 15c each; \$1.50 per doz.

Raspberries

CUTHBERT. This is the leading red variety. The plant strong and hardy, free grower and abundant bearer. Foliage large and abundant, which protects fruit well. The berries are large, beautiful deep crimson color and of most pleasing flavor. The best commercial variety for market and shipping. 15c each; \$1.00 doz.

LA FRANCE. The new Giant Everbearing Red Raspberry. It produces extra large deliciously flavored, sweet, juicy berries. The plants carry ripe fruit from May to November. Fine large roots. 25c each; \$5.00 per doz.

ST. REGIS. The "early till late" variety. The earliest and best red raspberry to date. It not only ripens early but produces good crops throughout the season. Berries large and not surpassed in flavor. Strong grower with abundant foliage. Will bear fruit the first year. 15c each, \$1.00 per doz.

Currants

CHERRY. Vigorous and productive when grown on good soil and cultivated; berries large, deep red; rather acid 25c each; \$2.50 per doz., prepaid.

PERFECTION. A new variety of good quality; berries of good size; color a beautiful bright red; flavor rich, mild and sub-acid; exceedingly productive. 25c each; \$2.50 per doz., postpaid.



WHITE IMPERIAL CURRANT

Gooseberries

OREGON CHAMPION. This new variety originated in the state from whence it takes its name. The fruit is large and round; bush is a prolific bearer and free from mildew. 25c each; \$2.50 per dozen, postpaid.

CRANDALL'S EARLY. Ever-bearing, large and firm; good flavor, bears the entire season, ripens early, one of the best. 15c each; \$1.00 per doz.; \$7.00 per 100.

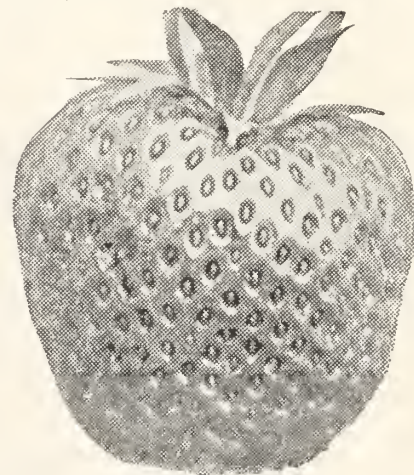
Guava

STRAWBERRY RED. The most popular of the Guavas. Small plants at postpaid; large plants, 50c each, \$5.00 per doz.

STRAWBERRY YELLOW. Similar to the above except in color. 50c each, postpaid.

LEMON. Fruit larger than the strawberry varieties and not so hardy to frost. 50c each.

FEIJOIA SELLOWIANA. Pineapple Guava. A small tree allied to guava, but more hardy. The fruit greenish, size of an egg—consisting of a delicious pulp, highly perfumed. A very ornamental small tree. 50c each. Large plants \$1.50. Budded \$3.00 each.



KLONDYKE STRAWBERRY

Strawberries

25c doz.; \$1.50 per 100, postpaid; \$9.00 per 1000, express, collect. Except as noted

BRANDYWINE. Plant a luxuriant grower. Fruit, large, compact, flesh firm, glossy red, of fine quality. A medium to late variety, exceedingly popular, heavily grown and a splendid shipper. 50c per doz; 2.50 per 100.

IMPROVED KLONDYKE. This is the best commercial strawberry in this locality. The flesh is red, very sweet and firm. A good producer and very vigorous grower. The berry is much larger than the Klondyke. 50c per doz.; \$2.50 per 100; \$20.00 per 1000.

BANNER. The plants of this variety are vigorous in growth, and produce a large crop of good sized berries on long stems. The fruit is highly colored and very attractive; the berries are somewhat irregular in shape, running from long-conical to broad-conical. 50c doz.; \$2.50 per 100.

NEW CAROLINA. This is a remarkable robust grower and producer. The growth is very upright and strong. The stems are heavy and stout supporting the berries up from the ground—bearing continuously all summer—Mr. Jamison of Chino highly recommends it as one of the best all season cropper, bearing from April till late fall. 35c doz.; \$2.00 per 100.

PROGRESSIVE EVERBEARING (New). Although this variety has been grown in the east for several seasons it is new to this coast. At our trials we have found this a most satisfactory berry. The fruit are of good size and borne in large clusters. Plants are of vigorous growth and wonderfully productive. 50c doz.; \$2.50 per 100; \$18.00 per 1000.

Fertilizers for Garden and Lawn

SOIL FERTILITY

The maintenance of soil fertility is one of the most difficult problems that farmers and gardeners have to contend with, and although they can, to a certain extent, keep up the fertility of their soil by the use of manure, proper rotation of crops, and other intensive farming methods, there are certain plant-food elements which can only be restored to the soil through the use of Commercial Fertilizers. Plants, like animals, must be fed a balanced ration if successful results are to be attained.

Commercial fertilizers are not intended as a substitute for manure, whose greatest value lies in the large amount of humus (decaying vegetable matter) it contains, but are intended to supplement it and supply the elements in which manure is deficient. They are carriers of plant-food in an available or soluble form, and are scientifically prepared in the right proportion to meet the needs of different soils and crops.

M. & S. LAWN DRESSING. A fertilizer made from tankage and bone so mixed as to insure a quick start to your lawn grass and promote a vigorous growth throughout the season, which prevents weeds from choking it out. The use of barnyard manure on a lawn is very objectionable, as it detracts from its appearance, and is apt to bring a great many weed seeds, as well as disease germs. M. & S. lawn dressing is practically odorless; is in a convenient form to handle, and has none of the above-mentioned objections. The cheapest and best fertilizer for lawns. Analysis: Ammonia, 4-3%, Phosphoric Acid 10%, Potash 4%. 10 lbs. 75c; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$3.75.

M. & S. VEGETABLE GROWER. No other investment will give you bigger profits than the use of fertilizer in your garden. Our vegetable grower is specially prepared for such garden crops as tomatoes, potatoes, carrots, onions, etc. Increases your yield and brings your vegetables into market ten days to two weeks earlier, thereby getting the higher prices. Analysis: Ammonia 6%, Phosphoric Acid 10-12%, Potash 2%. 10 lbs. 75c; 25 lbs. \$1.25; 50 lbs. \$2.25; \$4.00 cwt.

STEAMED BONE MEAL. An excellent fertilizer for lawns and shrubs. Very finely ground, and thus quickly available. Florists use it extensively in their greenhouses. Analysis: Ammonia 1-3%, Phosphoric Acid 25-30%. Per cwt. \$4.50; per lb. 5c.

PULVERIZED SHEEP MANURE. The product we offer is absolutely free from weed seeds as it has been passed through a mechanical drier where the weed seed as well as germs are killed by the heat. This product will show wonderful results when used on seed beds in potting soil and on lawns. Price \$1.75 per cwt.

BLOOD MEAL. This product in a dry pulverized form is the most concentrated form of organic or animal nitrogen. Not quite so quick or available as nitrate of soda, but more lasting in its effects. 6c per lb.; 100 lbs. \$5.00.

FISH MEAL. Fish Meal gives good color and quick growth to leaves and vegetables; it is strong in nitrogen and phosphates. 3 lbs. 25c; 10 lbs. 70c; 100 lbs. \$5.00; all F.O.B. Los Angeles.

LIME. Hydrated. For dusting and mixing with such insecticides as arsenate of lead as carrier. 50 lb. paper bag \$1.00.

LIME. For fertilizer and as a corrective for acid soil. 100 lbs. \$1.25.

GYPHOSUM. This is not a fertilizer, yet it has an indirect fertilizing value, which is mainly due to the fact that it has the power of changing unavailable forms of plant-food, especially potash, into available forms. A heavy dressing of Gypsum will greatly improve any heavy soil, rendering it lighter and more easily cultivated, and relieve the tendency to crust and bake. If your soil contains alkali or is sour, use Gypsum. Per 100 lbs. \$1.25. Write for quantity prices.

NITRATE OF SODA or Chile Salt Petre is the most available form of nitrogen and therefore very quick acting. Very useful in forcing plants or crops. A top dressing on a yellow or sickly lawn will make it turn green overnight. Price 15c lb.; 4 lbs. 50c; \$5.00 per cwt.

Amateur garden makers are often puzzled as to the amount of fertilizer needed for their small plots, because the usual directions give only the amount per acre. The following table shows (approximately) the proper proportions:

100 lbs. per acre equals 1 lb. for a plot	10x43 feet.
200 lbs. per acre equals 1 lb. for a plot	10x21 feet.
300 lbs. per acre equals 1 lb. for a plot	10x14 feet.
400 lbs. per acre equals 1 lb. for a plot	10x11 feet.
500 lbs. per acre equals 1 lb. for a plot	10x9 feet.

LEAF MOULD. Per sack \$1.00.

SOIL SULPHUR. Specially prepared to neutralize alkali soils and also a great help in promoting nitrification. Also a great help to destroy insects such as wire worms, nematodes and fungus spores. Price per sack \$4.10.

GARDEN TOOLS AND NURSERY SUPPLIES

All prices in this department, unless otherwise stated, are F. O. B. Los Angeles.
(Prices subject to change without notice.)

E. Z. DEVIL GRASS RAKE NO. 13. A grass rake and lawn cultivator of the most modern construction; the shape of the blade is what makes it dig in and operate so efficiently. \$2.50 each.

E. Z. DEVIL GRASS RAKE NO. 20. This is of the same fine construction as No. 13 but in addition has 7 extra teeth across the top. This type is the one used by gardeners for real heavy work. \$3.25 each.

E. Z. GARDEN CULTIVATORS. Identical in manufacture as the devil grass rakes, but have less teeth and are the bandiest kind of tools.

3-tooth .....	.85
5-tooth	1.00
7-tooth	1.25

E. Z. LAWN EDGER. Constructed of a beveled edge circular steel plate with long handle, and is a very handy tool; its use keeps the edges of the lawn along the side-walks evenly trimmed. \$1.50 each.

E. Z. EVER-READY LAWN EDGER. Can be bolted to the handle of any lawn mower and when not in use is up over the top of the mower out of the way. \$2.00 each.

E. Z. CULTIVATOR TEETH. These can be used on any size E. Z. Cultivator. 15c each.

E. Z. GRASS CATCHER HOOKS. Can be attached to any standard lawn mower and are made of best grade steel. 10c each.

E. Z. WEEDER. This is the best and most practical on the market as it provides a leverage for pulling the weed and the guard protects the hand. 30c.

HOT KAPS are the only absolutely safe method of protecting young plants from both heat or cold, and their use insures earlier, stronger and better plants.

	9½ ins.	11 ins.
1,000	\$7.50	\$10.00
5,000	7.25	9.75
10,000	7.00	9.50
25,000	6.75	9.25

Prices on larger quantities on application.

HOT KAP SETTER. A very useful and handy article for properly setting hot kaps, as it is the same size and shape as the hot kap and insures the proper setting of them. Either size, \$2.50 each.

LYON TEMPERATURE ALARM. Constructed of the very best materials and it operates on both high and low temperature. Can be installed with either a transformer or dry batteries on an electric bell circuit. When either the high or low temperature that it is set for is reached the bell rings. \$9.50 each. (Does not include wire, bell, batteries, transformers, or other installing equipment.)

RAINLYK SPRINKLER—"Just Like Rain." Constructed of non-corrosive material throughout. The spreader plate is revolved on a double set of non-corrosive balls, making the Rainlyk Sprinkler the only ball bearing lawn sprinkler on the market which means—Long Life and Perfect Service. The nozzle has an unrestricted opening, making it impossible to clog. It distributes the water with uniformity from center to circumference, under high or low pressure, over a diameter of from two to fifty feet, according to the water pressure applied. \$2.50 each.

THERMOMETER—MAXIMUM and MINIMUM. These type of thermometers record with indexes the temperature for any period, showing the maximum and minimum temperatures. They are used by successful orchardists, seedsmen and florists and other lines of business requiring a control on temperature. \$7.00 each.

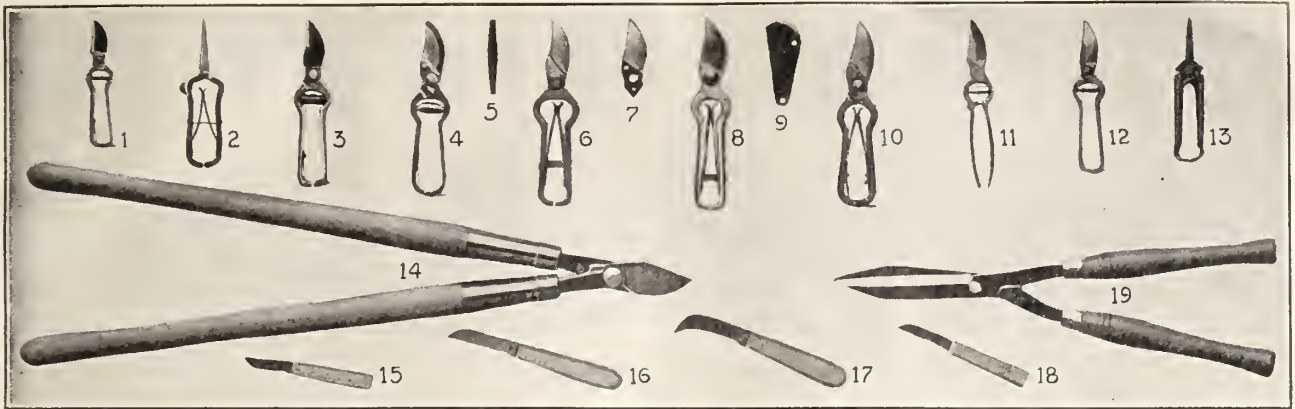
THERMOMETER—MINIMUM. This type of thermometer records, with an index, the minimum temperature only for a period. Those who are interested in knowing what the coldest point was for a certain period will find this a most satisfactory thermometer. \$2.50 each.

THERMOMETER FOR HOT BEDS OR SOILS. This type is used by nurserymen and growers of plants for controlling the temperature of their seed beds and will give them at all times the exact temperature of the soil. \$3.00 each.

WITHERSPOON WATERING CANS. We are headquarters for this watering can in Southern California. It is of the oval construction with a long spout and a curved handle and is perfectly balanced. Has two size perforated sprinkler heads. 8 qt. size, \$7.50; 10 qt. size, \$8.50.

Poultry Equipment.

Remember we are headquarters for poultry supplies, including incubators, brooders and all modern appliances. Correspondence is invited from people contemplating the purchase of supplies and the establishment of poultry farms.



We carry a full line of Gardener's and Nurserymen's Supplies, such as Pruning Shears, Budding and Grafting Knives, Trowels and other Requisites.

Grass Shears

GRASS SHEARS. Good quality. Each \$1.00.

GRASS SHEARS No. 90. The best shear made for this work. This is a light bedge shear. Made particularly for grass, border shear, or succulent hedge shear. High quality. Each \$1.50.

Pruning Shears, Etc.

No. 1. LADIES FLOWER SHEARS. 7-inch. Each \$1.25.

Nos. 2 and 13. THINNING SHEARS. Especially used for thinning grapes. No. 2, \$1.00; No. 13, 75c each.

No. 3. GARDEN SHEAR. A new Henckels lightweight shear of good material. Full polish. 7-inch. \$2.25 each.

No. 4. PRUNING SHEAR. Good well made shear for general light work. 8-inch, \$1.75 each.

No. 6. REISER PATTERN. Made of the best steel with strong shoulders for heavy work. Equipped with long brass spring for quick and easy action. Ratchet nut. 9-inch, \$4.00.

No. 6. GENUINE REISER. Made in Switzerland. 7½-inch, \$6.50; 8½-inch, \$7.50.

No. 8. HENCKEL'S PROFESSIONAL. Of the same high grade material as No. 6 but has more curve to the jaw. 8½-inch, \$6.00.

No. 10. SWISS SHEAR. Henckel made. Best of material. Equipped with long brass spring and safety spring catch. Medium weight. 7½-inch \$3.50.

No. 11. GARDEN SHEAR. Henckel made, fine polish, thumb catch. 7-inch, \$3.50.

No. 12. PRUNING SHEAR. Imported medium weight shear for general garden work. Spiral spring. Nice size for lady to use. 7½-inch. \$2.25 each.

No. 14. LOPPING SHEAR. One of the best shears for heavy work made. Makes cleaner cut and more closely than any lopping shear on the market. These have 22-inch handles: No. 14. Light grade. 3½-lb. \$3.25
No. 14. Extra heavy. 4-lb. 3.75

No. 19. HEDGE SHEARS. Forged solid steel blades, offset shank; hardwood handles:

5-inch, wt. 1½ lbs. Each. \$1.50
8-inch, wt. 3 lbs. Each. 3.00
10-inch, wt. 3½ lbs. Each. 3.50

No. 15. BUDDING KNIFE. Maplewood handles; non-closing blade of best imported steel. 50c each.

No. 16. GRAFTING KNIFE. Made of best imported steel, maple handle. Non-closing. 75c each.

No. 17. PRUNING KNIFE. Made of good heavy imported material. Non-closing. 80c each.

No. 18. Light weight. 60c each.

No. 5. SPIRAL SPRING. For all sizes shears. Give length of shear when ordering. 25c each.

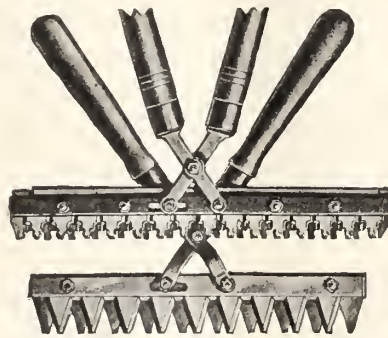
No. 7. SHEAR BLADE. These are for the better grades of pruning shears. 50c each.

No. 9. TREE PRUNER BLADES. For either standard or Waters make. 25c each.

Budding, Grafting and Gardeners' Knives

BUDDING KNIVES require the best of steel in their makeup, as the blades must be light and thin and hold almost a razor edge. Ivory handle, tapered, imported steel...\$3.00

Black handle, ivory pusher, German made 2.25



SIMPLICITY HEDGE PRUNER AND TRIMMER. For pruning back old growth and trimming new this implement is the acme of perfection, and far in advance of the present day Pruner or Lopping Shears. \$8.00.

THE SIMPLICITY HEDGE TRIMMER trims every variety of hedge grown. Will trim a hedge to any shape and cut desired. Make your hedge trimming a pleasure by ordering a Simplicity today. \$5.50.

Trowels

No. 1. Heavy pressed steel blade and shank, half polished with red enamel finish, hardwood handle \$.50

No. 2. Pressed steel blade, with cast shank riveted to blade, polished hardwood handle \$.35

No. 3. English pattern socket trowel. Forged from one piece of solid crucible steel, highly polished; handle of selected hardwood, polished. Straight or drop shank \$1.00

No. 4. Blade and shank forged from one-piece steel, half polished and half enameled. Polished hardwood handle. 6 inch blade. \$.75

No. 5. Three-tine garden fork. Malleable iron tines and shank, well tinned.....\$.40

No. 6. Gem garden fork. High grade crucible steel, flat tines, hand forged, tempered and polished; 5-inch polished ash handle.....\$.60

EUREKA. Made of same material as No. 6, with oval pointed tines bent one inch from the end\$.60

No. 7. ALL STEEL. Pressed from one solid piece of steel, enameled black.

1½-inch blade\$.25
3-inch blade25

No. 8. TRANSPLANTING. Blade and shank stamped from one piece sheet steel and polished, bardwood handle.

5-inch blade\$.30
6-inch blade30
7-inch blade35

No. 9. BULB. Blade and shank of best crucible steel hand forged. Polished hardwood handle, brass ferrule.....\$1.00

Implements and Nursery Supplies

GRAFTING WAX. For waxing over buds, and grafts to keep air out, also excellent for covering tree wounds in tree surgery or pruning. ¼ lb. cakes, 20c; ½ lb. cakes, 35c; 1 lb. cakes, 60c.

TRANSPLANTER. A Transplanter that does the work without disturbing the roots. It makes the hole where you wish the plant, then picks up the plant root and all, without disturbing it, and sets the plant into its new location without checking its growth. 50c. (By mail, 60c.)

WEATHER PROOF PENCILS. To be used for writing labels on garden plants. Every grower should have one of these. Will not fade in sun or rain. 10c each; 6 for 50c, postpaid.

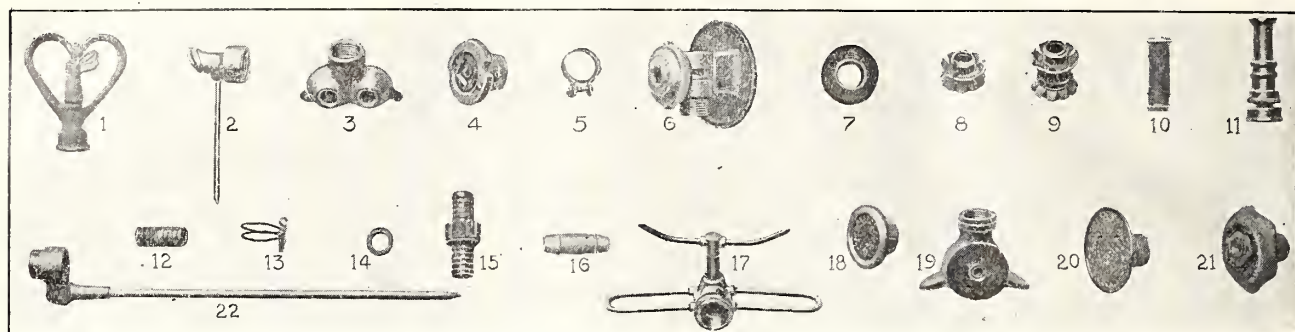
RAFFIA. Natural raffia for tying vegetables. Pound 35c postpaid. Write for prices on larger quantities.

MACABEE GOPHER TRAP. This is the most convenient gopher trap yet manufactured. It is easy to set, small and can be extended far down into the hole. Price postpaid, 30c.

BOX GOPHER TRAP. This trap is used extensively by gardeners. Is easy to set and sure. Price by mail, 40c.

CALISPRAY GARDEN DUSTER. This is a medium-sized duster for use in the home garden. It is very effective in applying dust in places that are difficult to reach with any other duster. If you have any dusting at all to do, this little gun will please you. Each \$1.25, f. o. b. Los Angeles.

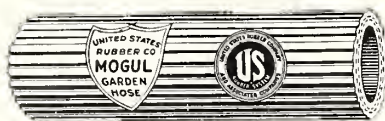
COWDREY DUSTER. A general purpose duster that will do the work on all home garden dusting. A well made implement furnished in red enamel. \$1.50 each.



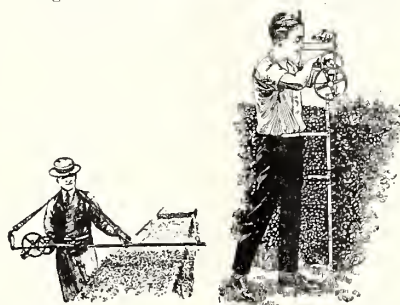
Sprinklers and Accessories

- No. 1. **BUTTERFLY.** Used in lawn and overhead systems. Made with $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ -in. pipe connections. 65c each.
- No. 2. **SPIKE FAN.** Excellent for throwing water away from walks and under shrubbery. 6 inch, 30c; 12 inch, 50c.
- No. 3. **TWIN SPRINKLER.** One of the most popular makes, brass lined. 35c each.
- No. 4. **THOMPSON'S ADJUSTABLE.** Heavy metal outside brass core. For lawn systems made with $\frac{1}{2}$ and $\frac{3}{4}$ -in. pipe connections. 75c each.
- No. 5. **HOSE CLAMPS.** For holding hose attachment in water and pressure hose. Two sizes, $\frac{1}{2}$ and $\frac{3}{4}$ -in.
- No. 5. **SHERMAN Flat metal,** 5c each.
- No. 6. **WILGUS GANG SPRINKLER.** Attached in your hose at intervals of 8 to 10 feet. Takes the place of an underground system. \$1.25 each.
- No. 7. **FRICTION TAPE.** 2-oz. roll 10c; 8-oz. roll 35c.
- No. 8. **PERFECT CLINCHING HOSE MENDERS.** Brass tube with clinching claws which clamp into the hose, making a tight and inseparable joint. $\frac{1}{2}$ and $\frac{3}{4}$ -inch. 2 for 25c.
- No. 9. **PERFECT CLINCHING HOSE COUPLINGS.** Wrought brass with clinching claws that clamp into the hose. No bands needed. Both sizes 35c a pair.
- No. 10. **COOPER.** Seamless brass tube with barbs which prevent hose from separating. No bands or tools required to attach it. $\frac{1}{2}$ and $\frac{3}{4}$ -inch. 2 for 25c.
- No. 11. **BOSTON.** Polished cast brass; can be adjusted to throw solid stream, spray or shut off. \$1.00 each.
- No. 12. **SHERMAN.** Corrugated seamless brass tube. Will not rust. $\frac{1}{2}$ and $\frac{3}{4}$ -inch. 5c each.
- No. 13. **MAGIC WIRE.** 2 for 5c.
- No. 14. **HOSE WASHERS.** 5c doz.
- No. 15. **STANDARD** cast brass, $\frac{1}{2}$ and $\frac{3}{4}$ -in. 30c a pair.
- No. 16. **WOODEN.** Made of hardwood. The water causes it to swell, making a tight joint. Doz. 15c.
- No. 17. **JUNIOR REVOLVING** No. 130. Well-made sprinkler with bronze bearings, makes a perfect pattern 30 feet across, 2-inch arms. \$1.25 each.
- No. 17. **JUNIOR REVOLVING.** With 10-inch stand and 4-inch arms. \$1.75.
- No. 18. **ROSE** sprinkler for fountains. 50c.
- No. 19. **IMPROVED FOUNTAIN.** Cast zinc with brass lining, will not rust or clog. Has center stream producing fountain effect. 50c.
- No. 20. **HOTHOUSE ROSE.** Wrought brass polished. Delivers full but fine spray. 80c.
- No. 21. **BALERSTADT ADJUSTABLE.** The most correctly constructed sprinkler for sprinkler system installments. Cast brass. \$1.00 each.
- No. 22. **MISSING LINK.** A 12-inch white metal spike upon which is mounted ratcheted male and female connection for holding nozzle at any angle. Very practical. \$1.00 each.

THE ROSS SPRINKLER. One of the finest hand sprinklers made, fits any hose coupling. Fine for new lawns, greenhouse or garden. Has broad spray and covers large area. Each 75c.

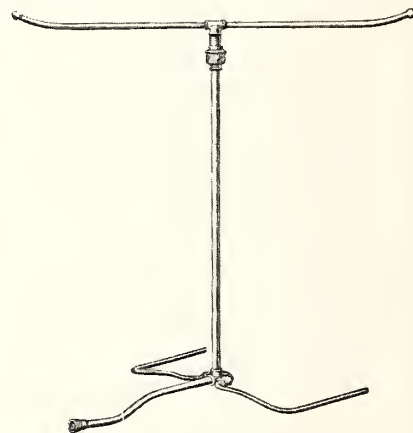


U. S. MOGUL is of "braided and molded" construction. The plies are braided cotton yarn, united by a distinct layer of rubber. Inner tube and cover are seamless and compounded of a tough and durable stock. Vulcanized under high steam pressure which thoroughly forces the rubber through the meshes of the yarn. This method of manufacture results in a very flexible hose which will not kink and is capable of withstanding the heaviest pressures. A high quality rubber tube and a tough rubber cover insure the utmost in resistance to rough handling, dragging around, etc., with a consequent lengthening of service. Made in $\frac{1}{2}$ in., $\frac{5}{8}$ in. and $\frac{3}{4}$ in. sizes, $\frac{5}{8}$ in. being recommended as the most convenient and economical size to use. Furnished in 25 and 50-foot lengths coupled and paper wrapped and on reels in lengths of approximately 500 feet. Made with either red or black, plain or corrugated covers. $\frac{1}{2}$ -inch, 25 ft. length, \$3.25; $\frac{1}{2}$ -inch, 50 ft. length, \$6.25; $\frac{5}{8}$ -inch, 25 ft. length, \$3.50; $\frac{5}{8}$ -inch, 50 ft. length, \$6.75; $\frac{3}{4}$ -inch, 25 ft. length, \$3.75; $\frac{3}{4}$ -inch, 50 ft. length, \$7.25. F. O. B. Los Angeles.



"LITTLE WONDER" HEDGE TRIMMER. The Little Wonder Hedge Trimmer cuts every variety of hedge grown, 5 to 10 times as fast as by hand. Will trim a hedge to any shape and cut wanted, various attachments and adjustments being provided for each type. Cuts sides of square or pivot top hedges 10 feet high with the operators standing on the ground. Makes hedge cutting a positive pleasure—everybody wants to use it when they see it. Cuts more evenly as well as more quickly. Weighs only 10 to 16 pounds, according to the attachments used. Saves you money every time it trims a hedge. The more hedge, the bigger the saving. With the Little Wonder an amateur becomes an expert almost instantly. Prices, 30-inch, \$25.00; 40-inch, \$30.00; 60-inch, \$35.00.

CYCLONE SEED SOWER. This Seeder is equipped with the following important features: Sloping feed board, automatic feed adjustment, distributing wheel, triple gears. Weight, 5 lbs. Price, \$2.50, f. o. b. Los Angeles.



IMPROVED SANTA BARBARA. Are made with two pipe arms in a bronze revolving head which is mounted on a standpipe held upright in a well-shaped iron sled with base enough to hold the sprinkler from falling over when in operation. This sprinkler will revolve with as low as five pounds pressure and distribute the water evenly. Under good pressure it will wet a space 45 ft. in diameter.

No. 2— $\frac{1}{2}$ -in. stand.....\$5.50
No. 3— $\frac{1}{2}$ -in. stand.....6.50
No. 3— $\frac{3}{4}$ -in. stand.....7.50

F. O. B. Los Angeles

TREE LABELS

	Per 100	Per 1000
3½ in. plain iron wired.....	.30	\$2.30
3½ in. plain copper wired.....	.30	2.55
3½ in. painted iron wired.....	.30	2.50
3½ in. ptd. copper wired.....	.35	2.85

POT LABELS

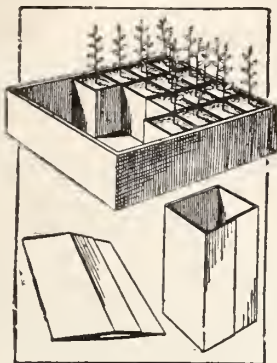
	Per 100	Per 1000
4 in. plain.....	.25	\$1.40
5 in. plain.....	.30	1.85
6 in. plain.....	.35	2.30
4 in. painted.....	.30	2.05
5 in. painted.....	.35	2.40
6 in. painted.....	.40	2.80
8 in. painted.....	1.00	9.00
10 in. painted.....	1.25	10.50
12 in. painted garden.....	1.60	14.50

BAMBOO STAKES. These are straight light weight but tough for staking up plants in the garden.

	Per Doz.	Per 100	Wght.
3 ft. ....	.25	\$1.00	5 lbs.
4 ft. ....	.25	1.25	6 lbs.
5 ft. ....	.30	1.40	7 lbs.
6 ft. ....	.40	1.60	11 lbs.

All F. O. B. Los Angeles

THE EXPAN PAPER POT. Comes square in several sizes for different growing plants. Largely used for putting up young plants of vegetables and trees. This pot has no bottom, merely of collapsible water-proof paper. Should be set in boxes or flats, fine for early tomatoes and egg plants, etc. Prices, net, postage, express or freight at purchasers' expense.



THE EXPAN PLANTING POT

Size	Price Per 1000	Price Per 100	Weight Per 1000
3x4	\$6.25	\$1.35	44 lbs.
2x8	8.00	1.45	58 lbs.
2x6	6.25	1.35	44 lbs.
2x4	4.00	1.00	29 lbs.
2x3	3.75	.75	22 lbs.
1½x5	4.60	1.00	28 lbs.
1½x4	3.75	.75	22 lbs.

Tree Protectors

For protecting trunks of young trees from sunburn and frost and attacks of squirrels and rabbits. They are quickly put on. Wires are attached all ready for immediate use. Made in different sizes. Ask for quotations. We list the popular sizes:

BLACK PAPER PROTECTORS

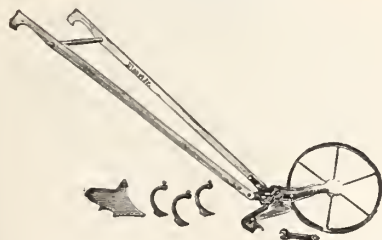
Perforated

Length	Per 100	Per 1000
18-in.	\$2.00	100-lb. \$13.50
24-in.	2.50	135-lb. 17.00

All Prices f. o. b. Los Angeles

Spray Pumps, Tools and Other Implements

PLANET JR. SEEDERS AND CULTIVATORS



No. 4D Seeder only.....	\$16.00
No. 4 Seeder and Cultivator, comp.....	20.25
No. 5 Seeder only.....	22.25
No. 20D Fertilizer Distributor.....	31.50
No. 35 Seeder attachment, less handle for wheel hoes.....	6.75

PLANET JR. SINGLE AND DOUBLE WHEEL HOES

No. 17 Single Wheel Hoe.....	\$ 8.75
No. 12 Double Wheel Hoe.....	12.25
Firefly Plow.....	4.75
No. 2 Grass Edger.....	1.75

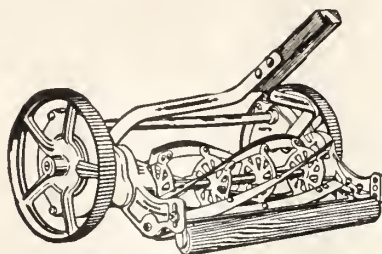
We carry a sample line of Planet Jr. Seeders and Wheel Hoes in stock. If we do not have the particular one you wish, it can be procured on short notice.

Write for Planet Jr. "Home Gardens Booklet."

W. & B. DIAMOND LAWN MOWERS

Senior Timken Bearings

This is the highest grade lawn mower on the market.



Senior Timken Bearing 10-Inch Open Wheel Five Blade

14-inch	\$23.85
16-inch	24.75
18-inch	25.70
20-inch	26.65

Prices on less expensive lawn mowers on application. We carry a complete line.

SPRAYERS AND SPRAY PUMPS

All sprayers should be sent by express, but the smaller ones can be sent by parcel post if necessary, at risk of purchaser. We will carefully pack for safest delivery possible. Postage to be paid by purchaser.

NO. 40. Hand lever pump, mounted in 12-gallon galvanized iron tank on truck with 20-inch wheel. For handling all spraying and painting solutions. Furnished with a good lever in pump and agitator; fitted with 8-ft. hose and extension rod and first-class spray nozzle. Price, complete, No. 40, as described\$35.00
No. 40A. Same with air compressor.. 45.00

BROWN'S AUTO SPRAY NO. 3 F. Mounted in 12-gallon tank on truck equipped with compressed air tank and gauge; it has proven to be one of the most satisfactory barrow sprays in use. Price \$37.50 f. o. b. Los Angeles.



AUTO-SPRAY. Compressed air sprayer; is the strongest and most simple in its working parts. Two pumpings of about fifteen strokes on the plunger will discharge the contents under high and constant pressure. After pumping the operator has nothing to do but direct the spray. This sprayer is equipped with our new patented non-clogging nozzle. Galvanized tank, 3 gals.....\$ 7.50
Brass tank, 3 gals..... 10.50
Galvanized tank, 1½ gals..... 6.00
Brass tank, 1½ gals..... 8.00

MISTY SPRAYER. A single action sprayer of heavy tin, made to fill calls for a low cost sprayer to use in gardens, plant houses and for applying stock dips, fly poisons, etc. Not a cheap sprayer, but a good sprayer at a low price. ½ pint, 35c; 1 quart, 50c.

Insecticides and Fungicides

(See Page 60)

ACME 2-WAY SPRAY. Very effective formula containing 14% arsenate of lead and 83% Bordeaux and enables you to kill leaf eating insects and at the same time control fungus diseases. ½ lb. carton 25c; 1 lb. carton, 45c; 4 lb. paper bag \$1.25. Not mailable.

ACME PARIS GREEN. For grasshopper and cut worm bait use one lb. Acme Paris Green to 10 lbs. bran and add 1 qt. brown molasses and two chopped up lemons. ¼ lb. carton, 20c; 1 lb. carton, 45c; 4 lb. carton \$1.60. Not mailable.

ACME CALCIUM ARSENATE. Specially useful for dusting cabbage, potatoes and other crops to control many leaf eating insects. Can also be used as liquid spray. 1 lb. carton 45c; 4 lb. paper bag \$1.60. Not mailable.



ACME LIME SULFUR. For dormant spraying in the fall or early spring against Scale, Peach Blight, Leaf Curl and Twig Borer, use 9-11 tablespoonfuls to 1 gallon of water. For summer spraying against Scab, Soot and Blotch, use from 2½ to 3 level tablespoonfuls to 1 gallon of water. 2½ to 3 tablespoonfuls to 1 gallon of water will control Red Spider and Mites. Prices, 1 lb. can, 35c; 5 lb. can, \$1.50; 10 lb. can, \$2.50. May be mailed.

ACME ARSENATE OF LEAD. For the control of codling moth, cabbage worms, caterpillars, beetles. Dusted on silk will prevent ear worm on corn and may be used as dust or liquid spray. ½ lb. carton 25c; 1 lb. carton 45c; 4 lb. paper bag \$1.50. Not mailable.

ACME GARDEN GUARD. A remarkable all purpose insecticide for general garden use. Comes in sifter top can and controls chewing insects as well as mildew and other fungus diseases. Market gardeners use it extensively. 1 lb. pkg. 35c; 5 lbs. 90c; 100 lb. drum \$15.75. Not mailable.

ACME LONDON PURPLE. Can be used as a spray or a dust for any crop infested with chewing insects, and is primarily for the small user as it is packed in small quantities. ¼ lb. carton, 15c; 1 lb. carton, 45c; 4 lb. paper bag, \$1.25. Not mailable.

ACME BORDEAUX MIXTURE is the best preventative for tomato blight, celery blight, apple black rot, pear scab, mildew and many other fungus diseases. 1 lb. carton, 45c; 4 lb. paper bag, \$1.25; 8 lb. paper bag, \$2.25.

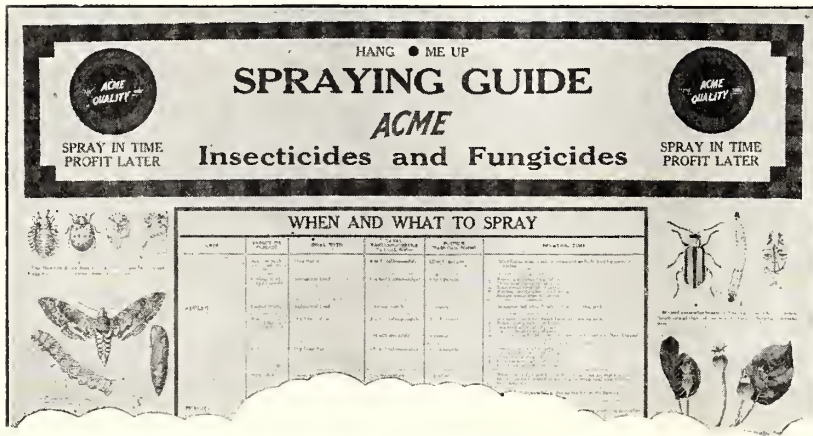
CYANOGENAS. Calcium Cyanide or Cyanogas furnishes a convenient source of hydrocyanic gas for greenhouse fumigation. Grade "G" is prepared especially for greenhouses; a safe, cheap, and positively effective remedy against white flies, aphids and other greenhouse pests. Grade "A" Calcium Cyanide is prepared especially to control crop destroying rodents such as field mice, gophers and squirrels. Directions accompanying packages should be followed carefully. Prices for either Grade "G" or Grade "A" Dust: 1 lb. cans 60c; 5 lb. cans \$2.75.

TOBACCO DUST. If dug around the roots will keep away many pests below ground and insure health to the plants. 15c lb.; if by mail add Parcel Post rates. Ask for price in quantity.

Insecticides and Fungicides

POISONS ARE NOT MAILABLE and must be shipped by EXPRESS or FREIGHT

All prices in this department, unless otherwise specified are F. O. B. Los Angeles and are subject to change without notice.
(See page 59, column 3, for ACME and other Insecticides and Fungicides.)



FREE UPON REQUEST

This exceptionally fine spraying guide (10x18 inches) tells what, when and how to spray.

ATLAS NON-POISONOUS WEED KILLER requires less water to kill more weeds than poisonous chemicals as excessive and saturation is unnecessary. Simply dilute with twenty parts of water and apply to undesirable vegetation with a sprinkling can. Will exterminate all undesirable vegetation—including Poison Ivy, Canada Thistle, etc.—as easily as watering a garden without endangering human or animal life from poison. Especially recommended for controlling undesirable vegetation growing in drives, paths, tennis courts, gutters, etc. One gallon is ample to clear 500 square feet of densely vegetated area. 1 quart cans, 75c each; 1 gallon cans, \$2.00 each; 5 gallon drums, \$8.00 each; 30 gallon drums, \$37.50 each; 50 gallon drums, \$53.00 each.

BEST FLY SPRAY is produced from a highly developed blending of materials of the very finest kinds and is harmless to all life except insect, to which it is sure death. In addition it will not injure foods or clothing. Pints, 55c; quarts, \$1.00; ½ gallon, \$1.50; 1 gallon, \$2.50; 5 gallons, \$10.00.

BLACK LEAF 40 is a concentrated solution of Nicotine Sulfate. Nicotine in the form of "Sulfate" does not evaporate at ordinary temperature whereas, free nicotine does evaporate. Therefore nicotine sulfate is particularly desirable for all purposes requiring a strong nicotine solution possessing lasting properties. This is the strongest of all tobacco solutions for spraying outside. 1 ounce bottle makes 6 gallons of spray, 35c; ½ lb. tin, makes 50 gallons of spray, \$1.25; 2 lb. tin, makes 200 gallons of spray, \$3.50; 10 lb. tin, makes 1000 gallons of spray, \$13.50. Poison—cannot be mailed.

EL-ROY SQUIRREL AND GOPHER POISON. A first class speedy and effectual remedy for cleaning out all like rodents. No. 1 size 35c. Write for price on quantity.

FARMOGERM is a seed inoculation that increases production on all leguminous crops and also leaves a heavy nitrogen deposit for the succeeding crops. ¼ acre size, 50c; 1 acre size, \$1.00; 3 acre size, \$2.50; 12 acre size, \$9.00.

MARVEL ANT GELATINE is an exterminator of the very finest kind, differing from the general line of ant poison in that it is in a gelatine form that will not run. Solid top and is packed in cans. As a consequence it is a safe exterminator to use as children and pets cannot get at the poison. The ants get to it through small holes punched in the can. 50c each or \$5.50 dozen.

DESTRUXOL. This combination spray, containing Nicotine Sulphate and Cyanide, seems to be what we have been after for some time, making it possible through the fumes given off by the cyanide to reach insect life on the under side of foliage. Our tests have shown it effective when used at proper temperatures and conditions against such common garden pests as aphids, thrip, lice, red spider, leaf roller hoppers, mildew and mealy bug. It is most effective under temperatures of 70 degrees and above, the warmer the weather the better, as the fuming action is greater under higher temperature. Our tests of this product would indicate there is little chance of burning or checking growth even though used at double strength.

1 oz. makes	5 gals. spray	\$.40
2 oz. "	10 " "	.65
¼ pt. "	25 " "	.90
½ pt. "	50 " "	1.40
1 pt. "	100 " "	2.00
1 qt. "	200 " "	3.75

Must be sent via express.

MARVEL SNAIL EXTERMINATOR can be safely used around the home, as although it is sure death to snails and bugs it will not hurt pets or human beings. This feature of safety is one that is highly appreciated by all. Large carton, 2½ lbs., 75c. Non-poisonous. Can be mailed.

"NICO-FUME" LIQUID is a highly refined solution of free nicotine and is of exceptional purity. It is guaranteed to contain 40 per cent of nicotine by weight in water solution. It contains no alcohol, camphor or other chemicals or adulterants which might impair its efficiency or injure plants and is especially well adapted to florists' general needs, both for fumigation and spraying purposes. ¼ lb. tin 75c; 1 lb. tin \$2.25; 4 lb. tin \$8.00; 8 lb. tin \$15.00.

NICO-FUME POWDER. An effective and economical preparation for fumigating greenhouses. It is a specially prepared tobacco powder, which has been treated to insure proper burning qualities, and has been saturated with pure nicotine—12½% guaranteed. Packed in airtight tins. It costs only 25c to fumigate the average greenhouse.

1 lb. cans.....	\$1.25
5 lb. cans.....	4.75
10 lb. cans.....	8.50

NO MOR FLY. A pyrethrum base fly killer. Will not injure clothing or food. Pint, 65c; quart, \$1.25; ½ gallon, \$2.00; 1 gallon, \$3.50.

PRUNING COMPOUND. This paint has a heavy oil body, which dries on the cut with a rubbery, elastic film. Its covering capacity and special preservative qualities make it more adaptable than tar or white lead.

Put up in quarts.....	\$.75
Gallons	2.25

QUA-SUL (Soluble Sulphur-Carbon Compound). For soil fertility. For Blight, Mildew and all fungus troubles. Clean, healthy trees and plants. Disease infected soil in plantations, orchards, vineyards, farms and gardens restored to healthy condition and made fruitful by the use of QUA-SUL. It destroys fungus, spores, larvae and eggs of pests and at the same time is a stimulant for the plants growing in that soil. Keep your greenhouses and gardens clean with QUA-SUL. For soil treatment and spraying mix 1 tablespoon Qua-Sul to 1 gallon of water or 1 quart to 50 gallons of water. 8 oz. can 50c; qt. \$1.25; gal. \$5.00; 5 gal. can \$20.00. Small packages may be sent by mail.

TREE TANGLEFOOT. A sticky substance that may be applied to the bark of trees to protect them from all climbing insects. One application is good for three or four months and it will prevent ants from entering tree tops. 1 lb. can 60c; 3 lbs. \$1.50; 5 lbs. \$2.75 f. o. b. Los Angeles. May be mailed.

USPULUN, Bayer's. Applied to the soil as a light drench using one to two quarts of solution per square yard of plant bed. This should be done at the time the plants emerge from the soil and will protect the seedlings until past danger from damping-off. 2 oz., 50c; 8 oz., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$62.50. Folder giving full information free upon request.



VOLCK—A SPRAY FOR INSECT PESTS.

Volck is a spray for Scale Insects, Mealy Bugs, White Flies, Red Spiders, Rust Mites, and similar insects. It is a distinct improvement over former sprays sold to kill these insects and will kill some insects that were previously uncontrollable. Volck is unique in the fact that it is used on tender plants in leaf with perfect safety. It has been sprayed on such tender foliage as violets and orchids without the slightest damage and can be applied in summer as well as winter. This factor of safety makes Volck a suitable spray for all kinds of plants—flowers, vegetables, berries, shrubs, ornamental trees, deciduous and citrus fruits. It is used all over the world for the control of citrus pests in commercial groves. Non-poisonous. Can be mailed.

½ pint cans.....	\$.40
1 pint cans.....	.55
1 quart .....	.80
1 gallon	2.15
5 gallons	9.05

WHALE OIL SOAP. A soap made especially for spraying plants infested with scale or lice. 1 lb. can 25c. Postage add 10c.

Poultry Equipment and Supplies

All Prices in this Department, unless otherwise stated, are F.O.B. Los Angeles
(Prices Subject to Change Without Notice)

INCUBATORS, BROODERS, PARTS AND ACCESSORIES

THE JUBILEE INCUBATOR consistently hatches more chicks of highest vitality and livability because every egg receives an even distribution of life-giving oxygen furnished by a constant flow of fresh air into the egg chamber during the creation of life in the Baby Chick. Don't experiment; it is costly. Buy a standard, proven incubator of known hatching power. Forty-eight years of successful operation by poultrymen everywhere is your guarantee of success with a JUBILEE.



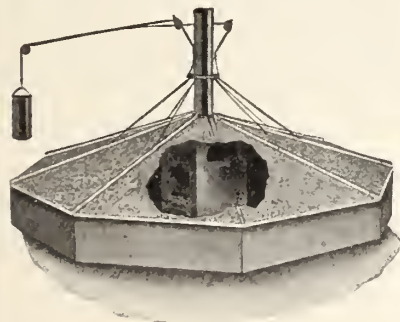
135 Egg, Oil Burning.....	\$48.00
270 Egg, Oil Burning.....	53.50
405 Egg, Oil Burning.....	68.75
540 Egg, Oil Burning.....	79.75

JUBILEE WOOD TURNING TRAYS make turning very simple and easy and increase incubator capacity 15 eggs per tray. \$1.25 each.

Jubilee Gas Burners.....	\$1.25 each
Jubilee Pedigree Partitions.....	.35 each
Jubilee Nursery Baskets.....	1.50 each

(We carry a full line of Jubilee Incubator parts)

AMERICAN BROODERS are constructed of the very best material combined with skilled labor and are the choice of the good poultryman. Capacity 150 to 1500 chicks. Brooder complete with Automatic Regulator, oil and gas.



OIL BROODER PRICES

No. 15 with Canopy 8 feet in diameter..	\$58.00
No. 20 with Canopy 78 in. in diameter..	52.00
No. 30 with Canopy 62 in. in diameter..	42.00

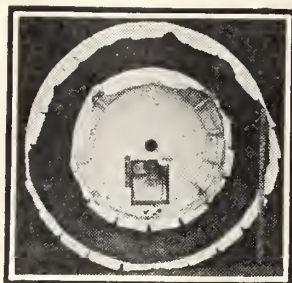
GAS BROODER PRICES

No. 6, 8 foot Canopy.....	\$57.00
No. 8, 78-inch Canopy.....	51.00
No. 10, 62-inch Canopy.....	41.00
No. 12, 52-inch Canopy.....	31.00

TIME CLOCKS. For poultry house. Will turn lights either on or off (single operation) at any desired time. Can be used as regular time piece and alarm when not in use for the switch. This is a higher grade of clock than ordinarily used on this type of switch. Capacity 10 amps. Price post-paid, \$6.25.

LYON IMPROVED ELECTRIC BROODERS. A proven brooder of the most thorough construction, adapted for both the largest and smallest producer, sufficient heat for any climate, greatest simplicity and economy, adjustable to either 110 or 220 volt service, used and endorsed by the leading schools, producers and hatchery plants. Guaranteed. Send for descriptive circular. Packed complete with rope, pulleys, lights, thermometer and full directions.

Chicks	Diameter	Shipping Wgt.	Price
100	30 inch	50 lbs.	\$20.00
200	42 inch	70 lbs.	25.00
350	56 inch	90 lbs.	35.00
500	68 inch	120 lbs.	45.00



BABY GRAND ELECTRIC BROODER. Capacity 50 chicks. \$10.00.

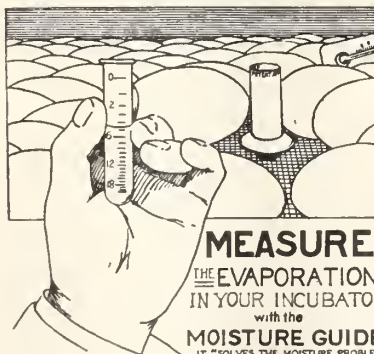
SAN DIEGO ELECTRIC BROODERS. Diameter 30 inches, \$15.00; 42 inches, \$21.50.

LYON INCUBATORS. 130 eggs; electric. \$27.50.

We carry parts for Lyon Improved Electrical Brooders and Incubators and a full line of electrical supplies for the poultryman.

TEMPERATURE ALARM THERMOSTATS. For use in incubators and brooder houses; will ring alarm bell on either high or low temperature. Price \$3.00.

SMALL GAS BROODERS. These are the popular mushroom type. 24-inch canopy, \$3.50; 36-inch Canopy, \$5.50.



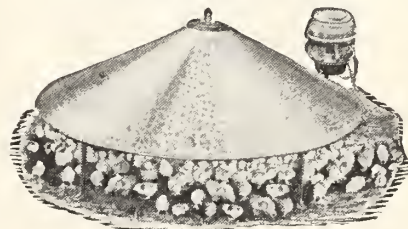
It operates in any incubator, and is a measure of safety. Every incubator should have one. \$1.00 each.

THERMOSTATS. Thermostat wafers, brass, 3 inches, 65c each.

AMERICAN GAS REGULATOR. This Regulator is automatic in operation and can be adjusted to operate at any temperature and is of the same fine construction as the American Brooder. \$9.50 each.

HART GAS REGULATOR. When placed on a brooder makes its operation automatic. Can be set for any desired degree of heat. \$7.50 each.

NATIONAL BROODERS. The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal-oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is free from complicated mechanism, and has no troublesome levers, valves or thermostats. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir. Made in three sizes, with special burner for each size to insure ample heating capacity.



NOTE—"National" Brooders are also made in Coal-burning Types, and convertible for use with Gas. Send for descriptive circular. Prices:

OIL BURNING BROODER

No. 60, 200 chick size.....	\$17.50
No. 61, 350 chick size.....	19.00
No. 62, 500 chick size.....	22.50

GAS BURNING BROODER

No. A, 500 chick size.....	\$16.50
No. B, 1000 chick size.....	21.50

COAL OR BRIQUETS

No. A, 500 chick size.....	\$16.50
No. B, 1000 chick size.....	21.50

INCUBATOR AND BROODER THERMOMETERS. Tyco's incubator thermometers are the best made in the world. Why take a chance with a poor thermometer?



No. 5775—Incubator thermometer, black oxidized brass scales, white filled figures and graduation, mercury tubes, angle pattern, with new type stand. Price 75c.

No. 5783—Incubator thermometer, retested and certified, same as type 5775. Price \$1.25.

No. 5792—Brooder thermometer, round wooden handle type, tube filled with mercury, easy to read. Price 85c.

No. 5794—Brooder house thermometer, mercury filled tube, easy to read. Price 75c.

Poultry

FUL-O-PEP

CHICK STARTER

FUL-O-PEP CHICK STARTER. Manufactured by the Quaker Oats Co., and containing that vital element "Cold Liver Meal" proved a sensation this past year in the raising of baby chicks. A trial will convince you.



8 1/3 lb. sack.....	\$.65
25 lb. sack.....	1.75
50 lb. sack.....	3.10
100 lb. sack.....	5.95

DR. L. D. LeGEAR MEDICINE CO.'S POULTRY REMEDIES

Poultry Prescription, 1 1/2 lb. pkg.....	\$.30
Poultry Prescription, 3 3/4 lb. pkg.....	.70
Poultry Prescription, 9 lb. pkg.....	1.50
Poultry Prescription, 25 lb. pkg.....	3.50
Poultry Prescription, 100 lb. drum.....	12.00
Lice Killer, 1 lb. pkg.....	.30
Egg Laying Tablet, 50 in a pkg.....	.60
Egg Laying Tablet, 120 in a pkg.....	1.20
Cold Diarrhoea Tablets, 30 in a pkg.....	.30
Chick Tablets, 30 in a pkg.....	.30
Poultry Bowl Regulator, 30 in a pkg.....	.30
Roup Pills, 30 in a pkg.....	.30
Roup Pills, 60 in a pkg.....	.60
Roup Remedy, 2 oz. pkg.....	.30
Head Lice Remedy, 2 oz. tin.....	.30
Sore Head Remedy, 2 oz. tin.....	.30
Fly & Insect Powder, 2 oz. pkg.....	.30
Fly & Insect Powder, 4 1/2 oz. pkg.....	.60
Bellows Box, 1/4 oz.....	.10
Poultry Worm Powder, 4 lb. carton.....	.75
Poultry Worm Powder, 25 lb. pail.....	4.00
Dip & Disinfectant, 8 oz. bottles.....	.35
Dip & Disinfectant, 1 qt. cans.....	.85
Dip & Disinfectant, 1/2 gal. cans.....	1.50
Dip & Disinfectant, 1 gal. cans.....	2.25
Dip & Disinfectant, 5 gal. cans.....	7.50
Dip & Disinfectant, 10 gals.....	14.50
Dip & Disinfectant, 50 gals.....	60.00
Fly Chaser, 1 qt. cans.....	.75
Fly Chaser, 1/2 gal. cans.....	1.40
Fly Chaser, 1 gal. cans.....	2.00
Fly Chaser, 5 gal. cans.....	7.00
Fly Chaser, 10 gal. cans.....	13.00
Fly Chaser, 50 gals.....	57.50

BARNES WORM EMULSION. This remedy assimilates or digests the worm, and is not an expellant.

1 pt. cans.....	\$.65
1 qt. cans.....	1.00
1 gal. cans.....	3.00
5 gal. cans.....	12.50

ARROW CARBOLINEUM. A single application of Arrow Carbolineum will be sufficient to destroy and eradicate mites from a poultry house. It kills every louse or mite it touches; it can be used with a brush or a sprayer and will readily penetrate all cracks and crevices and thus reach the mites at close quarters. Quarts, 65c; gallons, \$2.00; 5 gallons, \$9.00.

Poultry

B. K. A powerful sterilizer, deodorant, disinfectant. Used by poultrymen for disinfecting incubators and brooders. It is one of the best remedies for Roup and Canker. Used by the leading dairies and stock raisers as a disinfectant and remedy. Prices, 4-oz., 35c; 10-oz., 60c; 32-oz., \$1.25; 1 gallon, \$3.00; 5 gallons, \$12.50.

CARBOLA. The Disinfecting White Paint. Carbola can be easily and quickly applied with a brush. It flows smoothly and evenly. It dries out a pure white with a smooth finish. And once on, Carbola stays on. It does not blister, peel or flake off as white-wash does. It has no disagreeable odor. Prices, 2 lbs., 40c; 5 lbs., 85c; 10 lbs., \$1.50; 50 lbs., \$6.25; 200 lbs., \$22.00.

BUHACH. Buhach is an insect powder that will get rid of house flies, ants, bedbugs, fleas on dogs and cats, lice on chickens and rabbits—in fact it will drive out many insect pests. It is a necessity in every house, as it protects from loss and adds to the comfort and peace of the residents. In 25c, 50c and \$1.50 packages.

Pigeons

NU-LIFE POULTRY AND PIGEON REMEDIES. These remedies are used by Fanciers and Commercial Breeders in the show room, breeding yard and lofts; they have no equal.

Germicide Tablets.....	\$.50
White Diarrhoea Tablets.....	.50
Poultry and Pigeon Pills.....	30c and \$1.00
Special Pigeon Pills.....	50c and \$1.00
Tonic (Powder).....	25c and 50c

PIGEON HEALTH GRIT. We are Western Distributors for Williamson's Red XX Health Grit used by pigeon breeders throughout the United States. Red XX Grit, \$3.50 per 100.
Wonder Grit, \$2.50 per 100 lbs.

PIGEON FEED. M. & S. Special Racing Pigeon Feed is composed of only five grains, Flint Corn, Maple and Canadian Peas, Rice and Vetch, and is the best that can be had. 100-lb. sacks, \$6.00.

Dogs

CERO-MEATO DOG FEED is composed of 20% meat (beef) and 80% cereal and is extensively used in Southern California by veterinarians and kennels. Large and small biscuits, fine and coarse kibbled. 7 lbs., \$1.00; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.50.



K9 VITAMINES. A highly specialized food for our canine friends at a very moderate price. This food is prepared scientifically and contains the highest quality cereals (shredded wheat), vegetable compounds, cod liver oil and red meat from freshly slaughtered animals, under strict veterinary supervision, seasoned to appezize the most fastidious of the breeds. 20c per can; 3 cans for 50c; 1 case (48 cans), \$7.50.

DOG REMEDIES

Justrite Dog Worm Medicine.....	\$.50
Justrite Mange Remedy.....	.50

We carry a complete line of Clayton's Dog and Cat remedies.

Birds

SEEDS AND GRAVEL

Justrite Imported Bird Seed.....	\$.25
Justrite Bird Gravel.....	.15
Justrite Wild Grass Seed.....	.20
Justrite Mixed Bird Seed.....	.20
Justrite Bird Grit.....	.15
Justrite Parakeet Seed.....	.20
Justrite Parrot Seed.....	.50

FOODS

Justrite Song Restorer (Cans).....	\$.25
Justrite Song Restorer (Boxes).....	.15
Justrite Moulting Food.....	.20
Justrite Color and Pepper Food.....	.25
Justrite Egg and Nestling Food.....	.15

TONICS

Justrite Bird Tonic.....	\$.35
Justrite Bird Bitters.....	.35
Justrite Iron Tonic.....	.35
Justrite Parrot Tonic.....	.35

MISCELLANEOUS

Justrite Balm for Baldness.....	\$.35
Justrite Bird Jelly.....	.20
Justrite Bird Nesting (Brown-White).....	.10
Justrite Bird Salve.....	.15
Justrite Bird Wash.....	.25
Justrite Cage Cleaner—Lice Destroyer.....	.30
Justrite No. 1 Cuttle Bone—metal holder.....	.15
Justrite No. 2 Cuttle Bone—metal holder.....	.15
Justrite Feather Pulling Remedy.....	.25
Justrite Honey Roll.....	.15
Justrite Lice Powder.....	.15



FISH FOODS—REMEDIES

Justrite Natural Fish Food.....	\$.15
Justrite Tropical Fish Food.....	.15
Justrite Imported Pure Shrimp.....	.15
Justrite Wafer Fish Food.....	.10
Justrite Fish Tonic.....	.15
Justrite White Fungus Remedy.....	.35
Justrite Assorted Sea Shells.....	.15
Justrite Aquarium Cement (Small).....	.35
Justrite Aquarium Cement (Large).....	.75

Bird Supplies

CAGE HOOK. 10-inch brass or nickel, 20c each; 12-inch brass or nickel, 25c each.

BATH HOUSE. Used at open door of cage and prevents splashing and spotting cage. Glass enclosed. Each 90c.

CAGE SPRING. Heavy brass spring in three different strengths. Lends to the beauty of a cage and to the pleasure of the bird.

Single Spring, light weight.....	Each
Single Spring, heavy weight.....	15c
Single Spring, extra heavy weight.....	20c
Double Spring.....	30c
2-Foot Chain and Spring.....	30c

FOOD HOLDER or Treat Cup. Fits any wire cage. Ideal for feeding color food, etc. Each 10c.

BATH DISH. Opal, large size. Each 20c.

TULIP CUP CAGE. Opal, 15c each; Flint Glass, 15c each.

CAGE CUPS. Flint Glass, 15c each; Opal, 20c each.

FLEISCHMANN YEAST. Fleischmann's Poultry and Stock Yeast for poultry, pigeons, dogs, cats, rabbits and stock. 1 lb. packages, \$1.00; 2 1/2 lb. cans, \$2.00; 25 lb. bags, \$18.50; 100 lb. bags, \$69.00.

Rabbits



NATIONAL ASSN. OF RABBIT INDUSTRIES, INC. REMEDIES

Liverene	\$1.00
Koldene .....	.75
Rabbit Cold Specific .....	.75
Kianrhoa Medicine .....	.75
Kankerene .....	.50
Slobberene .....	.75
Ventene Ointment .....	.50
Eye Lotion .....	.50
Vigorene .....	.75
Worm Medicine .....	.75
Rabbotene Tonic and Regulator	1.00
Silmo, pt.	1.00
Silmo, qt.	1.50
Silmo, gal.	5.40
Tattoo Ear Marker .....	.75
Easy Tan .....	.75
Ideal Syringes .....	.40
Rabbotene Salt Spools, each .....	.15

(See list of parts for Hutches Parts, etc., under Equipment)

LESLIE'S PET LICK SPOOLS. 10c each or tube of 10 for 90c.

S. O. BARNES & SONS REMEDIES

Anti-Kanker	50c-\$1.00
Anti-Slobber	50c-\$1.00
Anti-Diarrhea	50c-\$1.00
Anti-Snuffle	50c-\$1.00
Anti-Pot Belly	50c-\$1.00
Specific Cold	50c-\$1.00
Digestive Tablets	50c-\$1.00
Liver Tablets	50c-\$1.00
Hock-o-line .....	.50
Vent Ointment .....	.50
Tonic Powders .....	.50

HUTCH PARTS

Four Compartment Hutch, complete	\$25.00
(No roofing paper—ready cut)	
Patent metal doors complete with lock, each	1.75
Patent metal hay racks complete with 2 hay guards, each	1.00
Patent metal hay troughs, each .....	.50
Patent metal feed cups with clips, each .....	.35
Patent metal door, 2 com. hutch, each	1.25
Ideal hay rack .....	.50
Ideal Fur Stretchers .....	.15
Ideal Grain Feeder .....	.35
Ideal Grain Trough .....	.65
Ideal Hutch Card Holders, 1 doz. ....	.50
Ideal Hutch Cards, pkg. 50 .....	.50
Breeding Record Cards, pkg. 25 .....	.50

BOOKS

Diseases of the Rabbit	\$1.00
Chinchilla Rabbit .....	.50
Pedigree Blanks, book of 50	1.25

SPECIAL RABBIT JARS. Special Rabbit Jars are made with a flanged edge which prevents the rabbit from wasting its food. These Jars or Crocks are equally as handy in poultry yards. Being easily cleaned there is no chance for unsanitary conditions. Of heavy stoneware and so constructed as to keep right side up. They are especially good to feed rolled Barley, Bran, Oats, etc., in. Made in four sizes.

No. 1	15c each
No. 2	20c each
No. 3	25c each
No. 4	30c each

(Also see Open Crocks under Poultry)

DROPPING BOARD SCRAPERS. A good scraper is a necessity to properly clean the dropping boards. These scrapers are made with heavy steel blades. Long handles.

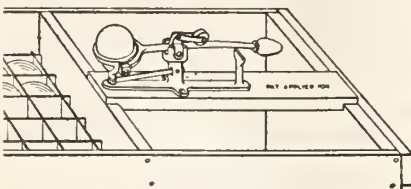
E-Z-SCRAPERS

13-inch blade	\$1.35
16-inch blade	1.50
18-inch blade	1.65

RELIABLE

16-inch blade	\$1.50
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THE RELIABLE EGG SCALE has a quick double shift, just a flip of the finger, and you can get all the weights required with the one shift, thereby taking the place of two scales. Price \$2.90.



EGG SCALES

Gilt Edge	Each \$1.25
White Line	1.75
U. S. Standard	3.00

M. & S. GALVANIZED WARE
Dry Mash Hoppers

18 inch size	\$2.00
24 inch size	2.50
30 inch size	2.75

DRINKING FOUNTS

Quart size, 1 doz. to case .....	.40
2-quart size, 1 doz. to case .....	.50
4-quart size, 1/2 doz. to case .....	.65
6-quart size .....	.80

FEED TROUGHS—TRIANGLE TOPS

6 inch .....	.20
12 inch .....	.30
18 inch .....	.40
24 inch .....	.50

CHICK FEEDERS

Single, 12 in. ....	.30
Single, 18 in. ....	.40
Single, 24 in. ....	.50
Double, 12 in. ....	.40
Double, 18 in. ....	.55
Double, 24 in. ....	.65

GRIT AND SHELL BOXES

2 compartment75
3 compartment	1.00

EXHIBITION COOP CUPS

Exhibition size30
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EGG TESTERS

SEARCHLIGHT EGG TESTER. Infertile eggs in an incubator mean a loss of time and money. The testing of eggs is a very important part of incubation, and a little expense at the beginning will pay well in the end. The searchlight will do the job quickly and do it well. It should be a part of your equipment, whether you are operating one incubator or a dozen.

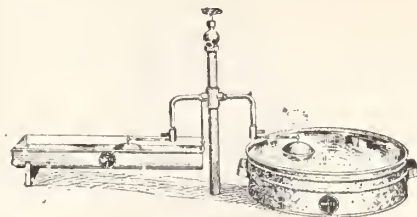
Searchlight Electric	5.00
No. 2 M. & S. ....	.45
No. 3 M. & S. ....	.50

EGG CARTONS. M. & S. 3x4 egg cartons, hold 1 dozen eggs, made of strong cardboard. Prices, 1 dozen, 25c; 50 for 90c; 100 for \$1.60; 1000 for \$14.00.

NEST EGGS. The Common China Glass Egg, indispensable for the chicken yard. 5c each; 50c per dozen.

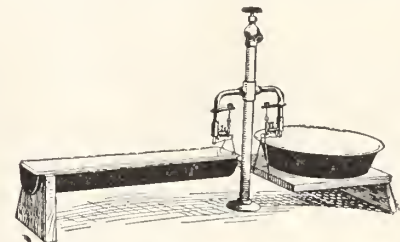
RELIABLE AUTOMATIC FLOAT VALVE.

This valve is one of the best poultry watering devices on the market; it is made entirely of brass and copper, which makes it rustproof. \$1.00 each.

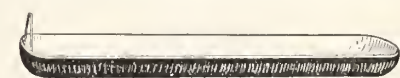


SERVALL FLOAT FOUNTAIN. Is especially designed to serve water to chickens, pigeons, rabbits and all kinds of pet stock. It may be used with success in a live stock water tank. Is made of pure brass throughout. Price, each, \$1.00.

The Valve Stems are a vulcanized rubber valve; it only takes a moment to replace the old one with a new one. These may be secured at 5c each.



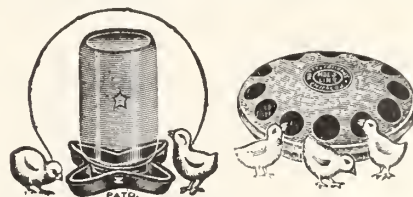
THE GUARANTEED AUTOMATIC WATER FOUNTAIN is the Biggest Labor Saver on the farm, especially designed for poultry and pigeons; may be attached to any city water line; is adjustable to any pressure up to 200 lbs. The above illustration shows two ways this fountain may be used. However, the long trough being the most preferable with poultrymen. Price each (fountain only), \$1.50.



BUTTERMILK AND WATER FEEDERS.

These troughs are made of heavy drawn steel, no seams, or corners, all made of one piece, double coated inside and out with porcelain enamel; buttermilk or any kind of medicine can be fed in this trough without danger to the chicks. Made in one size only, 2 3/4 inches deep, 4 inches wide, 36 inches long, packed in individual carton. Price each \$2.75.

GALVANIZED. We recommend this trough for water only. Price each \$1.50.



FOUNTAIN AND FEEDER. Suitable for feed as well as water. Little chicks cannot drown. Fits any Mason jar in 1 pint, 1 quart and 2 quart sizes.

No. 32 (Glass jar not included).....15c each

ROUND BABY CHICK FEEDERS. A great feed saver, as the chicks cannot get into it and contaminate the feed. Can also be used for water.

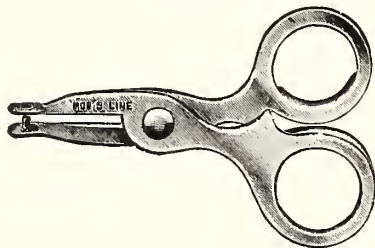
12 hole, price	25c each
8 hole, price	15c each

LONGHANDLED POULTRY CATCHING NETS. These nets are a great help in catching chickens, something every poultryman should have. Price \$1.25 each.

OAT SPROUTER. Steel frame, well braced and painted. With six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons. No lamp or heater required. Total height 3 ft. Size of pans 16x18 in. \$7.00



IDEAL PUNCH. A new improved punch, scissors type. Works easily, cuts clean and does not pinch the foot. Price 50c.



SPIROLS. Celluloid leg bands are best because they are easily placed, easily distinguished, cannot come off, can be used over again, do not break, they are cheap. Colors, black, white, red, yellow, blue, green, purple, light blue, maroon and pink. When ordering be sure to state size and breed of fowl. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 60c; 500 for \$2.75; 1000 for \$5.00.



M. & S. RIBBON BANDS. The modern leg-bands for marking poultry by color and number. All celluloid, strongly made. Quickly put on. Permanent numbers. Leghorns, reds and Asiatics (will fit ducks and hen turkeys). Cerise, white, grey, pink, red, yellow and green. 25 for 60c; 50 for \$1.10; 100 for \$2.00; 500 for \$9.50; 1000 for \$18.00. State breed and color.

DOUBLE NUMBERED COLORED PIGEON BANDS. These bands come in pairs for the mated pair of pigeons, easy to read without handling the birds, they come in various colors, numbered 1 to 100. Prices, 1 pair 5c; 12 pairs 50c; 25 pairs 80c; 50 pairs \$1.50; 100 pairs \$3.00.

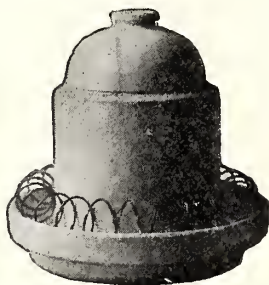
DOUBLE NUMBERED COLORED POULTRY BANDS. These bands are made with aluminum backs with colored celluloid face with large numbers, easy to read. When ordering state size and breed of fowls. Prices, 12 for 40c; 25 for 75c; 50 for \$1.25; 100 for \$2.00.



LEG BANDS. Adjustable Aluminum Bands. Adjustable to fit any size fowl, large numbers, easy to read. Prices, 12 for 15c; 25 for 25c; 50 for 45c; 100 for 75c; 500 for \$3.50; 1000 for \$6.00.

SHIPPING COOPS. These coops are used to send birds to Poultry Shows or when shipping by express. They are made with a wooden bottom, heavy corrugated paper sides nicely printed and a wooden slat top. They are very light and strong and protect the birds better than any other coop. Made in three sizes.

Single Bird, each.....\$1.35
Trio Size, each.....1.75
Pen Size, each.....1.95



WHITMAN'S PATENT GUARD FOR CHICK FOUNTS. The Whitman Patent guard for chick founts is proving of inestimable value to raisers of Baby Chicks, and is accepted now as the Life-Saver by all poultrymen, as it keeps the chick out of the water, reducing white diarrhea, colds and other diseases, and in addition keeps the water in a clean, healthy condition. When ordering be careful to specify the proper size, as they are made in sizes to fit the crock they are intended for, so as to give the utmost satisfaction.

For 1 Quart Crock (5 inches in diameter), Size No. 1.

For 2 Quart Crock (6 inches in diameter), Size No. 2.

For 4 Quart Crock (7 3/4 inches in diameter), Size No. 4.

For 6 Quart Crock (8 1/2 inches in diameter), Size No. 6.

All sizes are 15c each or two for 25c.

SANITARY POULTRY FOUNTAINS. These are made of a heavy glazed stoneware (as illustrated above), strong and durable. They are popular with poultrymen because they keep the water cool and refreshing, cannot in any case be upset by the fowl and are easy to keep perfectly clean. Made in four sizes.

1 Quart 30c each
1/2 Gallon 45c each
1 Gallon 60c each
1 1/2 Gallon 75c each

(Without Fount Guard)



OPEN CROCKS FOR RABBITS AND POULTRY. These Open Cocks or low butterjars are very convenient about the rabbit pens. A cock is absolutely sanitary and easy to keep bright and clean. Made in four sizes.

1 Pint 15c each
1 Quart 20c each
1/2 Gallon 25c each
1 Gallon 30c each

FEED CUTTERS

THE NEW MODEL CLOVER CUTTER is designed for the small flock and cuts one length, 1/8-inch. Cuts dry or green feed. \$21.00.

THE DICK FEED CUTTERS are of the type with the knives on the fly wheel, chain drive, and are adjustable for length of cut. Frame is three leg construction, eliminating wobbling or wrenching. Size 2B, \$44.00; Size 3C, \$51.00.

BEUOY CAPON SETS. Especially designed to simplify the operation of caponizing, so that the beginner can easily master it. We recommend it as the best low-priced set in popular use. Full printed directions with each set. Price, in substantial wood cases, \$4.50.

Sprayers

These sprayers are made by the E. C. Brown Co. of Rochester, N. Y., famous for making sprayers that are a bit better. They are made in galvanized iron and brass, and in two capacities, and every poultryman should have one, as they are essential to the proper care of the houses.



CONTINUOUS AIR SPRAYERS

Brass, 3 1/2 Gallons.....\$10.50
Galvanized, 3 1/2 Gallons.....7.50
Brass, 2 1/2 Gallons.....8.00
Galvanized, 2 1/2 Gallons.....6.00



HAND SPRAYERS

1/2 Pint Tin.....\$.35
1 Quart50

CONTINUOUS SPRAYERS. These sprayers are continuous in operation, a slight movement of the plunger back and forth keeps a steady spray of liquid continually moving from the sprayer. Will be found to be very handy and easy in operating. Made of brass throughout and has two nozzles.

26c\$1.50



SPECIAL NOTICE. We are constantly acquiring new lines in the poultry department such as brooders, remedies, disinfectants, equipment and supplies and consequently our catalog cannot list everything that we carry. Therefore if you are desirous of obtaining any particular article, if you will kindly send us your order, we will make every endeavor to obtain it and expedite its delivery.

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Argemone	19	Climbers—Plants	46	Gilia Tricolor	9-19	Mexican Poppy	10-19	Scotch Broom—Seeds	37
Aristolochia	19	Climbers—Seeds	46	Giloida—Seeds	19	Mignonette	11	Scotch Broom—Plants	50
Artichoke—Seeds	20	Clocks—Time	61	Golden Glow	10	Milobesia	11	Scoutia	38
Artichoke—Plants	51	Clovers	39-40	Golden Rod	10	Mirabilis	9-11	Sensitive Plant	11
Asparagus—Seeds	5-20	Cockea Scandens	19	Gomphrena	10	Monk's Hood	4	Sesbania	37
Asparagus Plumosa—Plants	46	Cockscumb	7	Gooseberries	55	Moon Vine	19	Sesbania	35
Asparagus Plumosa—Seeds	15	Cocos	38	Gourds	19	Morning Glory	19	Shamrock	14
Aster—Seeds	3	Coleus	7	Godetia	10-39	Moss Rose	13	Shasta Daisy—Seeds	15
Aster—Plants	17	Coldards	24	Grahis	39	Mountain Rose	47	Shasta Daisy—Plants	47
Australian Pea Vine—Seeds	19	Collinsia	2	Grape Vines	52	Muskmelon	46	Shasta Daisy	15
Avocados—Trees	52	Collinsia	19	Grapefruit	52	Musa	38	Soldado	10-15
Baby Blue Eyes	10	Columbine—Plants	40	Grasses—Seed	10-40	Mushroom Spawn	26	Snail Vine Phaeolus	19
Baby Breath	10	Columbine—Seeds	40	Grasses—Plants	47	Muskmelons	26	Snail Extremator	60
Bachelor's Button—Plants	47	Coprosma—Seeds	35	Grevillea—Seeds	46	Mustard	26	Snardragon	4-47
Bachelor's Button—Seeds	7	Coprosma—Plants	49	Guava	55	Myosotis	9-12	Snowball	37-51
Balloon Vine	5	Coral Tree	36	Gypsophila	19	Myrtle	35-36	Spanish Broom	37
Balsam	5	Coropsis	6	Gypsum	56	Myrtle, Common—Plants	50	Spanish	32
Banana	38	Coropsis—Plants	46	Ilaea	36	Nandina—Seeds	36	Spiraea	32
Baptisia	19	Corn—Pop	25	Ileather	36	Nandina—Plants	50	Squash	32
Bartonia	19	Corn—Sweet	24-25-49	Helichrysum	10	Nasturtium	12	Stachys	15
Bauhinia	34	Coronilla	35	Helianthus	10	Nectarines	54	Stachys—Seeds	15
Beans	40	Cosmidium	8	Heliopsis—Plants	47	Nemophila	12-19	Stachys—Plants	47
Bedding Plants	21	Cosmos—Plants	4	Heliopsis—Seeds	47	Nerium	50	Strawflower	47
Begonia—Seeds	5	Cosmos—Seeds	4	Herbs—Plants	36	Nigella	12	Strawflower	55
Begonia—Bulbs	41	Cotoneaster—Seeds	35	Herbs—Seeds	36	Nursery Supplies	56-57-58-59	St. John's Bread	15
Begonia—Plants	46	Cotoneaster—Plants	4	Heteromeles—Seeds	36	Oak	34-49	Sterculia—Seeds	37
Bellis—Seeds	5	Cover Crops	39	Heteromeles—Plants	49	Oenothera	12-19	Sterculia—Plants	51
Bellis—Plants	47	Craetagus—Plants	49-50	Hibiscus	50	Okra	29	Stevia Serrata	15
Berberis	34	Craetagus—Seeds	35	Hoes—Planet Jr.	59	Oleander	29	Stocks—Seeds	15
Berry Fruits	19	Crape Myrtle—Seeds	35	Hoes—Wheel	59	Olives	53	Stocks—Plants	47
Bignonia	19	Cress	25	Holly—Seeds	36	Onions	29	Stokea	37
Bird of Paradise	37	Cryptomeria—Seeds	37	Hollyhocks—Seeds	10	Onion Sets	29	Streptolita	37
Blackberries—Plants	55	Cryptomeria—Plants	50	Hollyhocks—Plants	47	Oranges	52	Summer Cypress	10
Blazing Star	19	Cornflower	7	Horned Poppy	10	Orange Daisy	36	Sunflower	10-39
Blue Gum	35	Cucumber	25	Honesty	11	Orange Holly	36	Suhalsonia	16
Blue Lace Flower	8	Cupressus	35	Honeyuckle—Seeds	15	Oregon Grape	34	Swan River Daisy	6
Blue Grass	34-36	Currants	35	Honeyuckle—Plants	46	Ornamental Pepper	6	Sweet Peas	17
Bottle Tree	51	Cyclamen—Plants	4	Horse Radish	26	Ornamental Plants	49	Sweet Peas	51
Bougainvillea	46	Cyclamen—Seeds	4	Horseradish—Plants	51	Painted Daisy	7	Sweet William—Plants	47
Box	49	Cyphomandra	37	Hunemannia	10	Palm	38	Swiss Chard	22
Broccoli	22	Cypress—Plants	35	Humulus	10	Pansies—Seeds	47	Tacsonia	19
Brachyome	6	Cypress Vine	35	Hydrangea	47	Pansy—Plants	47	Tamix—Plants	51
Brachyotum	34	Cytisus	35	Hypericum	50	Parkinsonia	36	Tamarix—Seeds	47
Breath of Heaven—Plants	50	Dahlia Seeds	8	Iberis	6	Parsley	30	Tecoma	46
Breath of Heaven—Seeds	35	Dahlia—Tubers	42	Impatiens	10	Parsnips	30	Thalictrum	16
Bridal Wreath	19	Daisy—English	5-46	Impatiens—Seeds	10	Passion Vine—Plants	47	Thuya	37
Broom—Spanish	49	Danthonia	35	Inebriators	61	Passion Vine—Seeds	19	Tomato—Seeds	22
Brovallia	22	Delphinium—Seeds	8-11	Ins—icides	59-60	Peaches	54	Tomato—Plants	51
Brussels Sprouts	22	Delphinium—Plants	46	Ipomea Cardinal Climber	19	Pears	55	Tops	56-57-58-59
Buddleia	31	Dianthus—Seeds	47	Ipomea Morning Glory	19	Peas	30-38	Torch Flower	9
Buckwheat	39	Dianthus—Plants	47	Iris	41	Pentstemon	13-19	Transvaal Daisy	9
Butterfly Bush	31	Dictamnus	8	Jacaranda—Plants	50	Pentstemon—Plants	47	Trumpet Vine	19
Bulbs	31	Didissus	8	Jacaranda—Seeds	50	Pepper—Plants	47	Tuberose	41
Buxus	49	Digitalis—Seeds	8	Japan Cedar	36	Pepper—Seeds	30	Tuberous Plants	41
Cabbage—Seeds	22	Digitalis—Plants	47	Japanese Cucumber	19	Pepper Tree	37	Tumblers	33
Cabbage—Plants	51	Diosma—Seeds	25	Japanese Hon	19	Perennial Calceolaria	37	Umbrella Tree	37
Caladium	41	Diosma—Plants	50	Jasmine—Plants	49	Persimmons	5	Vegetable Plants	51
Calceolaria	6	Dolichos	19	Jasmine—Seeds	49	Petunia—Plants	47	Verbena—Seeds	16
Calceolaria—Seeds	6	Dracaena	7	Jerusalem Cherry	10	Petunia—Seeds	12	Verbena—Plants	16
California Holly	49	Dog Feeds and Supplies	62	Joseph's Coat	19	Phacelia	13-19	Vernonia—Plants	47
California Big Tree	37	Duranta	35	Juniper	36	Phaeolus	19	Vernonia—Plants	51
California Poppy	9-19	Dusty Miller	47	Kale—Plants	51	Phlox—Plants	47	Vernonia—Seeds	51
California Pulox	19	Dusters	57	Kale—Seeds	51	Phlox—Seeds	13-38	Viburnum	36-37
Calla Lily	41	Dutchman's Pipe	19	Koehia—Seeds	10	Phlox	38	Viola	16
Calliopsis	6	Echium, Torch Flower	25	Kold Rabi—Seeds	26	Phlox—Plants	47	Violet—Seeds	47
Callistemon	34	Egg Plant—Seeds	9	Kumquats	52	Pine—Plants	51	Violet—Plants	47
Callitris	49	Egg Plant—Plants	25	Lagerstroemia	36	Pine—Seeds	8	Vitis	16
Camellia	49	Elephant Ear	41	Lacunaria	36	Pinks	36	Vittadinia	16
Campanula—Seeds	6	Endive	25	Larkspur—Plants	36	Pittosporum—Seeds	36	Vinca	16
Campanula—Plants	46	Eschscholtzia	9-19	Larkspur—Seeds	11	Pittosporum—Plants	51	Walnuts	54
Camphor	49	Echinops	9	Laurel—Plants	35	Planting Calendar	11	Washingtonia	38
Camphor Tree	49	Echinops—Seeds	9	Laurel—Seeds	35	Planting Tables	2	Washingtonia	38
Canary Vine	19	Erythraea	28	Laurel—Plants	35	Planting Tables	2	Weeders—Lawn	56
Cane	30	Eucalyptus—Plants	35	Lavatera	47	Playceodon	13	Weigella—Seeds	37
Candituff	30	Eucalyptus—Seeds	35	Lavender	47	Platystemon	19	Weigella—Plants	37
Canna	48	Eugenia—Plants	50	Layla Glandulosa—Seeds	19	Plumbago	53	Wigandia	37
Cantelopes	27	Eugenia—Seeds	50	Lawn Grass	35	Plum	53	Wild Flower Mixtures	16
Canterbury Bells—Plants	46	Euphorbia	19	Leek	26	Poinsettia—Plants	51	Wild Flower—Seeds	19
Canterbury Bells—Seeds	6	Everlasting Pea	11	Lemon Verbena	50	Poinsettia—Seeds	13	Wisteria—Plants	47
Cape Jasmine	50					Poinsettia	37	Woodruff	47
Cardenium Chloride	19					Polygala	26	Woodwardia	47
Cardinal Climber	19					Pomegranates	37-54	Xanthanthum	16
Carnations—Seeds	8					Poppies	13	Zinnia—Seeds	18
Carnation—Plants	46					Portulaca	37	Zinnia—Plants	47
Carob	34					Potatoes	31		



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